

Converting Colors

XYZ(80.6669, 77.2671,
186.4743)

Have a look what the booklet for
XYZ(80.6669, 77.2671, 186.4743)
contains.

XYZ(65.1992, 71.0961, 104.8943)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(65.1992, 71.0961,
104.8943)**

Conversions

Conversions Part 1

Format	Color
Hex	BBE0FF
RGB	187, 224, 255
RGB Percent	73%, 88%, 100%
CMY	0.2667, 0.1216, 0.0000
CMYK	0.27, 0.12, 0.00, 0.00
HSL	207°, 100%, 87%
HSV	207°, 27%, 100%
XYZ	65.1992, 71.0961, 104.8943
YIQ	216.4710, -32.0030, 1.7970

Conversions

Conversions Part 2

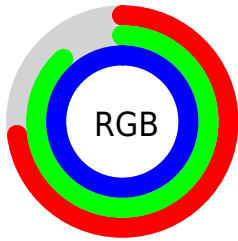
Format	Color
R_{YB}	187, 211, 255
Decimal	12312831
CIE _{Lab}	87.53, -5.29, -19.02
CIE _{LCh}	88, 19.747, 254.456
Yxy	71.0961, 0.2703, 0.2948
Android (android.graphics.Color)	4290502911 (0xFFBBE0FF)
YUV	216.4710, 18.9948, -25.8461
Hunter-Lab	84.3185, -9.5324, -14.7353

Details

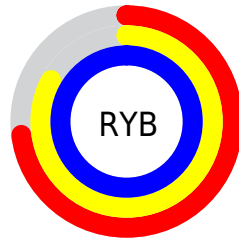
The XYZ color **65.1992, 71.0961, 104.8943** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.2812, 74.9903, 57.5224**, and the grayscale version is **65.4832, 68.8934, 75.0249**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **33.8967, 37.3587, 58.8505** is the 20% darker color. If you saturate the color by 10%, you get **56.4883, 62.1268, 103.6222**, and if you desaturate by 10%, it is **75.2353, 81.0691, 106.2903**.

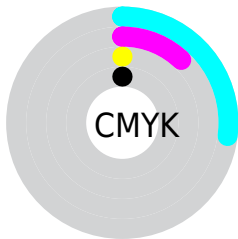
Distribution



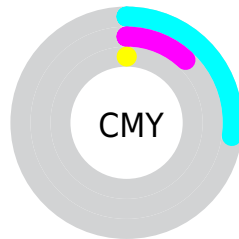
- Red (73%)
- Green (88%)
- Blue (100%)



- Red (73%)
- Yellow (83%)
- Blue (100%)



- Cyan (27%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1992, 71.0961, 104.8943 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 65.1992, 71.0961, 104.8943 by changing the saturation by 10% instead.

■ 65.1992, 71.0961,
104.8943

■ 65.1992, 71.0961,
104.8943

433.0414,
464.3893, 597.1530

■ 47.8879, 52.4206,
79.7546

■ 111.4003,
120.7705, 169.9773

■ 33.9490, 37.3405,
58.9915

141.0209,
152.5383, 210.7577

■ 23.0171, 25.4712,
42.1863

175.4752,
189.4390, 257.5888

■ 14.7269, 16.4285,
28.9205

215.1287,
231.8569, 310.8890

■ 8.7130, 9.8279,
18.7757

260.3467,
280.1765, 371.0771

■ 4.6101, 5.2850,
11.3331

311.4946,

■ 2.0527, 2.4154,

334.7822, 438.5714

6.1744

368.9377,
396.0583, 513.7905

■ 0.6633, 0.8338,
2.8809

■ 0.0000, 0.0000,
1.0341

■ 65.1992, 71.0961,
104.8943

■ 65.1992, 71.0961,
104.8943

■ 56.4883, 62.1268,
103.6222

■ 75.2353, 81.0691,
106.2903

■ 49.0338, 54.1143,
102.4685

■ 86.6490, 92.0736,
107.8128

■ 42.7693, 47.0196,
101.4292

95.0500, 100.0000,
108.9000

■ 37.6194, 40.7970,
100.4996

■ 33.4989, 35.3957,
99.6742

■ 30.3085, 30.7575,
98.9471

■ 27.9244, 26.8109,
98.3110

■ 27.2480, 25.6159,
98.1160

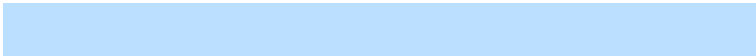
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.3718, 71.0961, 96.8344



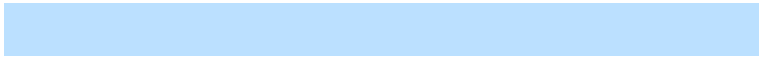
65.1992, 71.0961, 104.8943



69.8389, 71.0961, 105.0490

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.1992, 71.0961, 104.8943



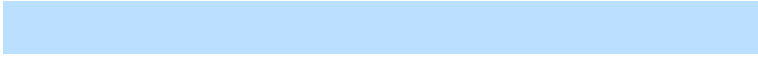
76.6387, 71.0961, 71.1737



61.4848, 71.0961, 60.4837

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



65.1992, 71.0961, 104.8943



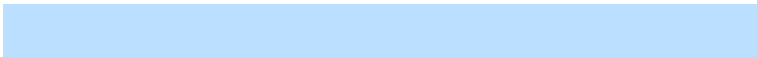
75.2812, 74.9903, 57.5224

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.3600, 71.0961, 55.1039



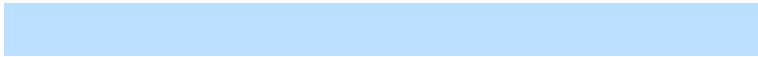
65.1992, 71.0961, 104.8943



74.1821, 71.0961, 60.7768

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.1992, 71.0961, 104.8943



76.5907, 71.0961, 84.5023



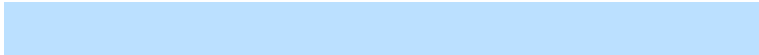
70.0072, 71.0961, 55.2047



59.2955, 71.0961, 70.7290

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.1992, 71.0961, 104.8943



72.7781, 71.0961, 100.5862



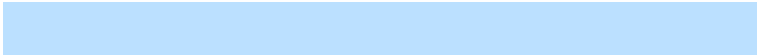
70.0072, 71.0961, 55.2047



62.6255, 71.0961, 58.1015

Sweetspot

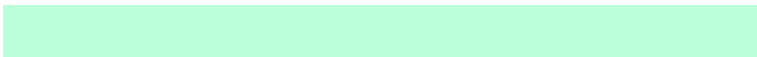
The Sweet Spot groups the original color and five complimentary colors.



65.2012, 71.0989, 104.8947



85.0439, 90.5438, 107.6022



68.8572, 87.1264, 79.2447



17.8221, 19.0159, 22.9811



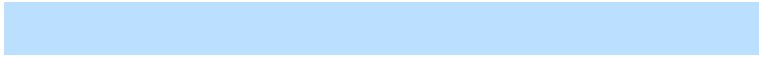
0.0000, 0.0000, 0.0000



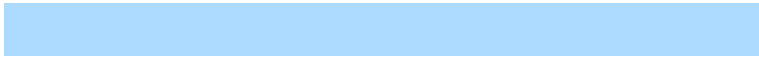
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.2012, 71.0989, 104.8947



60.3926, 66.1908, 104.2008



57.0453, 54.7870, 102.1761



17.8221, 19.0159, 22.9811



14.3889, 13.6874, 51.3181



1.5103, 1.5512, 5.0331

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



72.4662, 62.1841, 78.7074



68.8896, 56.3524, 73.4411



84.8950, 94.2179, 60.7270



18.4229, 18.1525, 20.8440



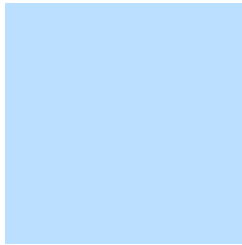
24.0511, 12.1097, 14.1852



2.3969, 1.2011, 1.6716

Previews

White Background



This preview shows how the XYZ color 65.1992, 71.0961, 104.8943 looks on a white background.

Color Contrast Check

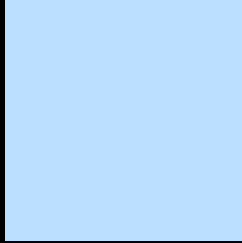
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 65.1992, 71.0961, 104.8943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

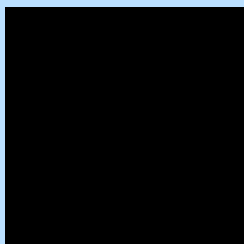
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

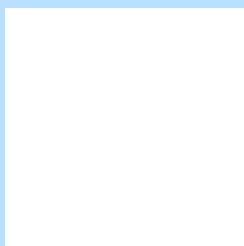
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.1992, 71.0961, 104.8943

Background



This preview shows how black text looks on a background with the XYZ color 65.1992, 71.0961, 104.8943.



This preview shows how white text looks on a background with the XYZ color 65.1992, 71.0961,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

65.1992, 71.0961, 104.8943

Protanopia

69.6660, 70.7369, 101.2486

Deuteranopia

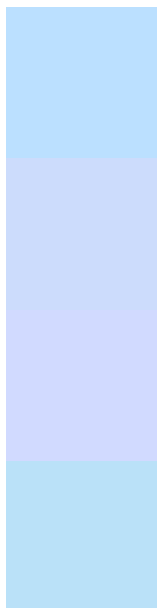
72.2208, 70.8427, 104.4753



Tritanopia

63.5331, 71.2387, 95.9898

Trichromacy



Original Color

65.1992, 71.0961, 104.8943

Protanomaly

68.0657, 71.0520, 102.2224

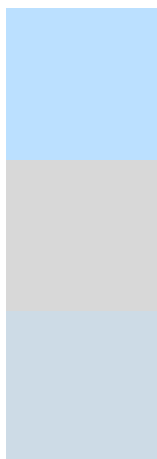
Deuteranomaly

69.4159, 70.9181, 104.6377

Tritanomaly

64.1182, 71.0668, 99.1448

Monochromacy



Original Color

65.1992, 71.0961, 104.8943

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.7913, 69.3553, 84.8350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1992, 71.0961, 104.8943 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(187, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 224, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(187, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.1992, 71.0961, 104.8943 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 224, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(187, 224, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(187, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1992, 71.0961, 104.8943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 224, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(187,  
224, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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