

Converting Colors

XYZ(66.1636, 70.8000,
104.7863)

Have a look what the booklet for
XYZ(66.1636, 70.8000, 104.7863)
contains.

XYZ(66.1636, 70.8000, 104.7863)	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(66.1636, 70.8000,
104.7863)**

Conversions

Conversions Part 1

Format	Color
Hex	C1DEFF
RGB	193, 222, 255
RGB Percent	76%, 87%, 100%
CMY	0.2431, 0.1294, 0.0000
CMYK	0.24, 0.13, 0.00, 0.00
HSL	212°, 100%, 88%
HSV	212°, 24%, 100%
XYZ	66.1636, 70.8000, 104.7863
YIQ	217.0910, -27.8770, 4.1150

Conversions

Conversions Part 2

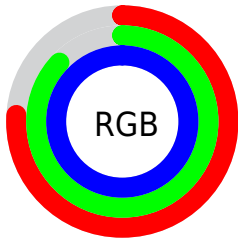
Format	Color
R_{YB}	193, 213, 255
Decimal	12705535
CIE _{Lab}	87.39, -2.51, -19.20
CIE _{LCh}	87, 19.368, 262.560
Yxy	70.8000, 0.2737, 0.2929
Android (android.graphics.Color)	4290895615 (0xFFC1DEFF)
YUV	217.0910, 18.6891, -21.1278
Hunter-Lab	84.1427, -6.8906, -14.9363

Details

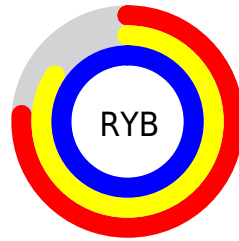
The XYZ color **66.1636, 70.8000, 104.7863** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.0620, 79.5024, 61.6851**, and the grayscale version is **65.9070, 69.3393, 75.5105**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **34.4930, 37.1179, 58.7726** is the 20% darker color. If you saturate the color by 10%, you get **56.7544, 60.8136, 103.3547**, and if you desaturate by 10%, it is **76.9876, 81.9501, 106.3680**.

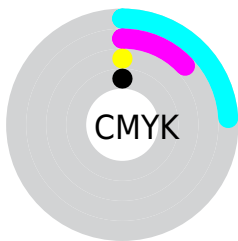
Distribution



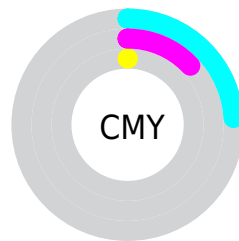
- Red (76%)
- Green (87%)
- Blue (100%)



- Red (76%)
- Yellow (84%)
- Blue (100%)



- Cyan (24%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1636, 70.8000, 104.7863 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 66.1636, 70.8000, 104.7863 by changing the saturation by 10% instead.

■ 66.1636, 70.8000,
104.7863

■ 66.1636, 70.8000,
104.7863

436.4412,
463.3540, 596.8087

■ 48.6734, 52.1790,
79.6647

■ 112.7775,
120.3489, 169.8283

■ 34.5739, 37.1478,
58.9179

142.6320,
152.0456, 210.5857

■ 23.4998, 25.3219,
42.1275

177.3386,
188.8696, 257.3922

■ 15.0857, 16.3171,
28.8748

217.2627,
231.2054, 310.6662

■ 8.9663, 9.7488,
18.7414

262.7697,
279.4374, 370.8263

■ 4.7761, 5.2327,
11.3086

314.2248,

■ 2.1499, 2.3844,

333.9498, 438.2911

6.1580

371.9935,
395.1273, 513.4790

■ 0.7161, 0.8179,
2.8711

■ 0.0000, 0.0000,
1.0292

■ 66.1636, 70.8000,
104.7863

■ 66.1636, 70.8000,
104.7863

■ 56.7544, 60.8136,
103.3547

■ 76.9876, 81.9501,
106.3680

■ 48.6900, 51.9393,
102.0668

■ 89.2805, 94.2961,
108.1031

■ 41.9024, 44.1334,
100.9179

95.0500, 100.0000,
108.9000

■ 36.3154, 37.3458,
99.9022

■ 31.8433, 31.5209,
99.0136

■ 28.3876, 26.5961,
98.2451

■ 25.8289, 22.4973,
97.5888

■ 24.6809, 20.4817,
97.2603

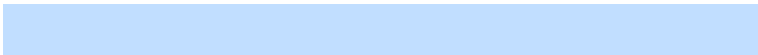
Harmonies

Analogous

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



62.0991, 70.8000, 98.8112



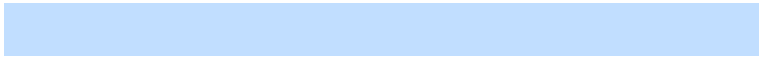
66.1636, 70.8000, 104.7863



70.7159, 70.8000, 102.7003

Triad

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



66.1636, 70.8000, 104.7863



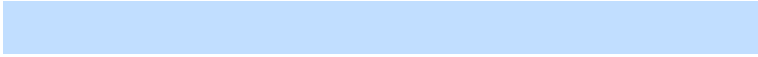
75.7253, 70.8000, 67.8450



60.5645, 70.8000, 62.8001

Complementary

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



66.1636, 70.8000, 104.7863



78.0620, 79.5024, 61.6851

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.



63.9829, 70.8000, 56.1347



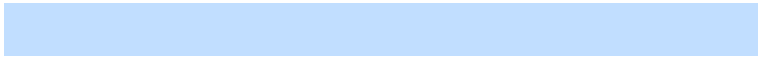
66.1636, 70.8000, 104.7863



72.7693, 70.8000, 58.8095

Square

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



66.1636, 70.8000, 104.7863



76.3736, 70.8000, 80.3887



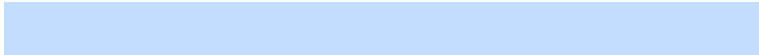
68.4357, 70.8000, 54.7609



58.9628, 70.8000, 73.8811

Rectangle

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



66.1636, 70.8000, 104.7863



73.4038, 70.8000, 97.1182



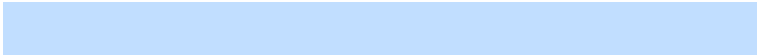
68.4357, 70.8000, 54.7609



61.5316, 70.8000, 60.0226

Sweetspot

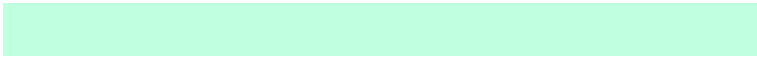
The Sweet Spot groups the original color and five complimentary colors.



66.1656, 70.8028, 104.7867



85.8290, 90.8581, 107.6214



71.3485, 88.2960, 84.5414



18.2082, 19.2847, 23.0126



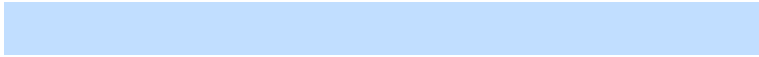
0.0000, 0.0000, 0.0000



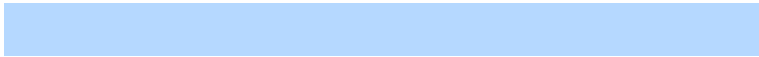
20.3446, 21.4041, 23.3091

Same Dimension

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



66.1656, 70.8028, 104.7867



61.5822, 65.9787, 104.0972



59.3781, 56.8354, 102.4485



17.7035, 18.7787, 22.9415



13.0426, 10.9949, 50.8694



1.3781, 1.2869, 4.9890

Inverse Universe

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



73.4961, 64.6755, 77.7203



70.1226, 59.2675, 72.4678



86.2469, 96.4349, 64.5220



18.3630, 18.1285, 20.5287



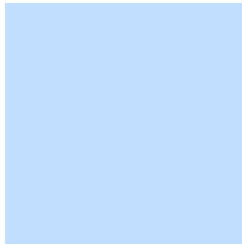
23.3715, 11.8379, 10.6068



2.3302, 1.1745, 1.3202

Previews

White Background



This preview shows how the XYZ color 66.1636, 70.8000, 104.7863 looks on a white background.

Color Contrast Check

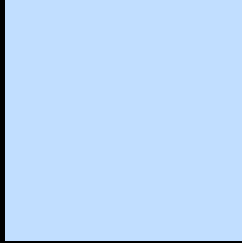
Large Text (above 18pt) WCAG AA × Fail

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 66.1636, 70.8000, 104.7863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

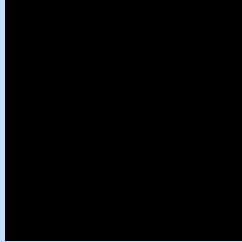
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

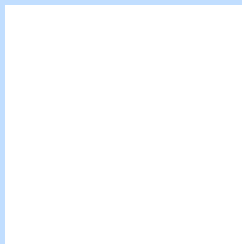
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.1636, 70.8000, 104.7863

Background



This preview shows how black text looks on a background with the XYZ color 66.1636, 70.8000, 104.7863.



This preview shows how white text looks on a background with the XYZ color 66.1636, 70.8000,

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

66.1636, 70.8000, 104.7863

Protanopia

69.5349, 70.6510, 102.0676

Deuteranopia

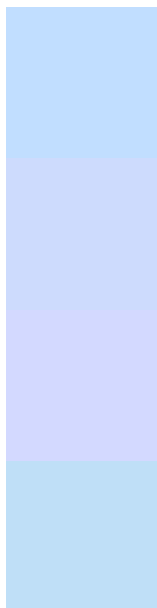
71.9154, 70.6853, 104.4610



Tritanopia

63.9179, 70.6693, 94.2761

Trichromacy



Original Color

66.1636, 70.8000, 104.7863

Protanomaly

68.2380, 70.7340, 102.9850

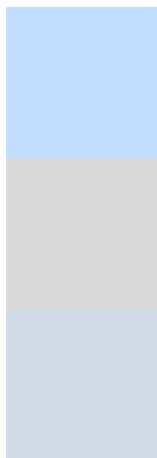
Deuteranomaly

69.7268, 70.6946, 104.5782

Tritanomaly

64.6620, 70.5671, 98.2085

Monochromacy



Original Color

66.1636, 70.8000, 104.7863

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.7677, 69.8425, 85.6159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1636, 70.8000, 104.7863 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(193, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 222, 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(193, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.1636, 70.8000, 104.7863 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(193, 222, 255) }
```


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

```
.border{ border-color:rgb(193, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1636, 70.8000, 104.7863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 222, 255) }
```

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

```
.background{ background-color: rgb(193,  
222, 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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