

Converting Colors

XYZ(56.0523, 67.3685,
123.1753)

Have a look what the booklet for
XYZ(56.0523, 67.3685, 123.1753)
contains.

XYZ(52.3291, 65.6689, 104.5251)	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(52.3291, 65.6689,
104.5251)**

Conversions

Conversions Part 1

Format	Color
Hex	71E3FF
RGB	113, 227, 255
RGB Percent	44%, 89%, 100%
CMY	0.5568, 0.1098, 0.0000
CMYK	0.56, 0.11, 0.00, 0.00
HSL	192°, 100%, 72%
HSV	192°, 56%, 100%
XYZ	52.3291, 65.6689, 104.5251
YIQ	196.1060, -76.9320, -15.4600

Conversions

Conversions Part 2

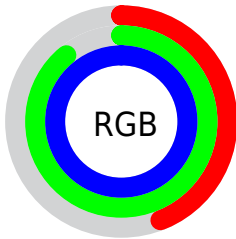
Format	Color
R_{YB}	113, 176, 255
Decimal	7463935
CIE _{Lab}	84.83, -24.80, -23.46
CIE _{LCh}	85, 34.135, 223.403
Yxy	65.6689, 0.2352, 0.2951
Android (android.graphics.Color)	4285654015 (0xFF71E3FF)
YUV	196.1060, 29.0347, -72.8840
Hunter-Lab	81.0363, -26.5475, -19.7500

Details

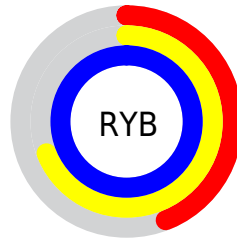
The XYZ color **52.3291, 65.6689, 104.5251** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **53.7463, 41.5030, 20.8028**, and the grayscale version is **52.3992, 55.1280, 60.0344**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **25.6704, 33.6745, 58.5729** is the 20% darker color. If you saturate the color by 10%, you get **48.1428, 61.5004, 103.9411**, and if you desaturate by 10%, it is **57.4807, 70.3974, 105.1663**.

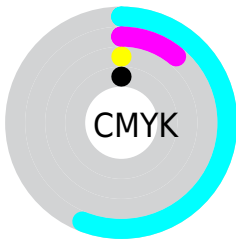
Distribution



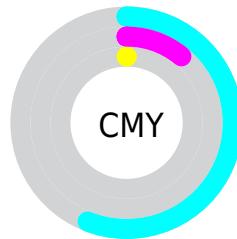
- Red (44%)
- Green (89%)
- Blue (100%)



- Red (44%)
- Yellow (69%)
- Blue (100%)



- Cyan (56%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3291, 65.6689, 104.5251 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 52.3291, 65.6689, 104.5251 by changing the saturation by 10% instead.

52.3291, 65.6689,
104.5251

52.3291, 65.6689,
104.5251

386.0089,
445.1918, 595.9753

37.4928, 48.0037,
79.4471

92.7878, 113.0110,
169.4678

25.7647, 33.8298,
58.7400

119.1408,
143.4566, 210.1697

16.7794, 22.7629,
41.9852

150.0635,
178.9312, 256.9166

10.1717, 14.4185,
28.7642

185.9212,
219.8191, 310.1270

5.5761, 8.4123,
18.6585

227.0792,
266.5047, 370.2196

2.6273, 4.3599,
11.2495

273.9030,

0.9599, 1.8769,

319.3724, 437.6128

6.1186

326.7577,
378.8067, 512.7252

■ 0.0000, 0.5344,
2.8474

■ 0.0000, 0.0000,
1.0172

■ 52.3291, 65.6689,
104.5251

■ 52.3291, 65.6689,
104.5251

■ 48.1428, 61.5004,
103.9411

■ 57.4807, 70.3974,
105.1663

■ 44.8365, 57.8433,
103.4095

■ 63.6625, 75.7158,
105.8670

■ 42.3189, 54.6514,
102.9261

■ 70.9401, 81.6597,
106.6307

■ 40.4749, 51.8648,
102.4854

■ 79.3720, 88.2597,
107.4602

■ 39.8150, 50.7500,
102.3050

■ 89.0125, 95.5443,
108.3582

95.0500, 100.0000,
108.9000

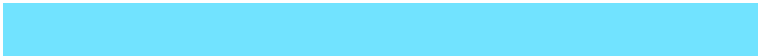
Harmonies

Analogous

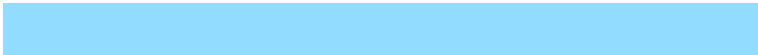
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.1749, 65.6689, 81.7170



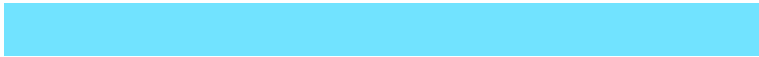
52.3291, 65.6689, 104.5251



58.3089, 65.6689, 119.9405

Triad

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



52.3291, 65.6689, 104.5251



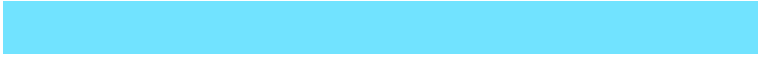
77.5984, 65.6689, 84.2208



59.0688, 65.6689, 37.8570

Complementary

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



52.3291, 65.6689, 104.5251



53.7463, 41.5030, 20.8028

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.



66.7122, 65.6689, 38.2561



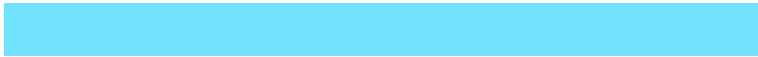
52.3291, 65.6689, 104.5251



77.8440, 65.6689, 62.1763

Square

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



52.3291, 65.6689, 104.5251



73.0773, 65.6689, 106.6778



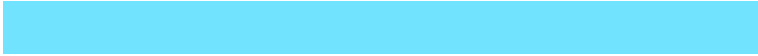
73.7231, 65.6689, 46.2895



52.8461, 65.6689, 45.0583

Rectangle

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



52.3291, 65.6689, 104.5251



63.2934, 65.6689, 122.3287



73.7231, 65.6689, 46.2895



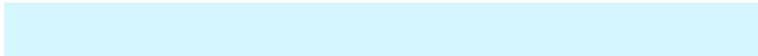
61.5473, 65.6689, 37.1591

Sweetspot

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



52.3309, 65.6713, 104.5254



78.1943, 87.3524, 107.3472



47.2339, 76.8963, 36.7939



16.3606, 18.4055, 22.9403



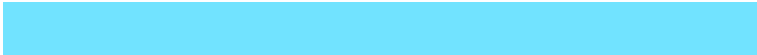
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



52.3309, 65.6713, 104.5254



47.6590, 60.9906, 103.8682



37.0828, 35.1750, 99.4427



18.2327, 19.8370, 23.1179



20.9116, 26.7329, 53.4924



2.1100, 2.7508, 5.2330

Inverse Universe

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



61.0115, 38.6179, 76.9140



57.5150, 32.8612, 71.9377



67.2763, 68.5631, 25.3128



18.6301, 18.2354, 21.9353



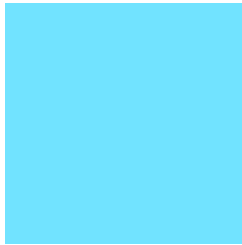
27.3434, 13.4267, 31.5226



2.6997, 1.3222, 3.2658

Previews

White Background



This preview shows how the XYZ color 52.3291, 65.6689, 104.5251 looks on a white background.

Color Contrast Check

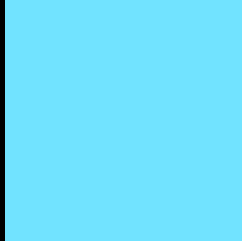
Large Text (above 18pt) WCAG AA × Fail

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 52.3291, 65.6689, 104.5251 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 52.3291, 65.6689, 104.5251

Background



This preview shows how black text looks on a background with the XYZ color 52.3291, 65.6689, 104.5251.

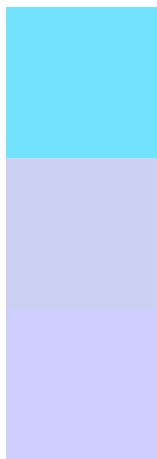


This preview shows how white text looks on a background with the XYZ color 52.3291, 65.6689,

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

52.3291, 65.6689, 104.5251

Protanopia

63.8800, 64.9094, 93.9559

Deuteranopia

66.0950, 65.1110, 103.6919



Tritanopia

50.9623, 65.5172, 97.9558

Trichromacy



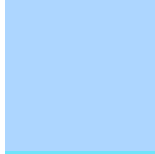
Original Color

52.3291, 65.6689, 104.5251



Protanomaly

58.1390, 64.4851, 97.3783



Deuteranomaly

59.3301, 64.1974, 103.8720



Tritanomaly

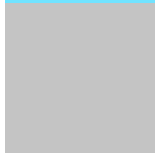
51.5543, 65.7684, 100.4199

Monochromacy



Original Color

52.3291, 65.6689, 104.5251



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

50.5631, 57.7424, 74.1261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3291, 65.6689, 104.5251 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(113, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 227, 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(113, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.3291, 65.6689, 104.5251 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(113, 227, 255) }
```


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

```
.border{ border-color:rgb(113, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(113, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3291, 65.6689, 104.5251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 227, 255) }
```

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

```
.background{ background-color: rgb(113,  
227, 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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