

Converting Colors

XYZ(42.1804, 52.8024,
102.5765)

Have a look what the booklet for
XYZ(42.1804, 52.8024, 102.5765)
contains.

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Color

**XYZ(42.1665, 52.7755,
102.5720)**

Conversions

Conversions Part 1

Format	Color
Hex	3BCFFF
RGB	59, 207, 255
RGB Percent	23%, 81%, 100%
CMY	0.7686, 0.1882, 0.0000
CMYK	0.77, 0.19, 0.00, 0.00
HSL	195°, 100%, 62%
HSV	195°, 77%, 100%
XYZ	42.1665, 52.7755, 102.5720
YIQ	168.2200, -103.6160, -16.4480

Conversions

Conversions Part 2

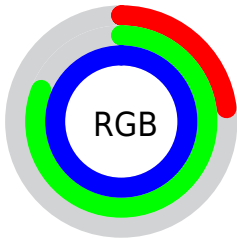
Format	Color
RYB	59, 143, 255
Decimal	3919871
CIELab	77.74, -22.72, -34.43
CIElCh	78, 41.255, 236.582
Yxy	52.7755, 0.2135, 0.2672
Android (android.graphics.Color)	4282109951 (0xFF3BCFFF)
YUV	168.2200, 42.7825, -95.7859
Hunter-Lab	72.6467, -23.5247, -32.8605

Details

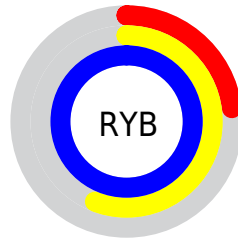
The XYZ color **42.1665, 52.7755, 102.5720** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **47.2890, 32.0942, 7.8423**, and the grayscale version is **37.1633, 39.0987, 42.5785**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **21.5843, 26.8597, 57.4729** is the 20% darker color. If you saturate the color by 10%, you get **39.5241, 49.2123, 102.0235**, and if you desaturate by 10%, it is **45.6092, 56.8420, 103.1755**.

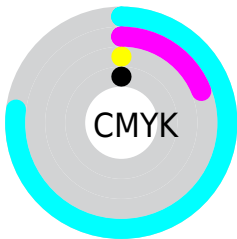
Distribution



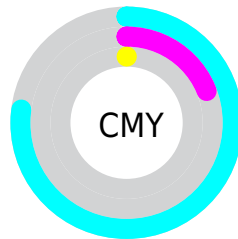
- Red (23%)
- Green (81%)
- Blue (100%)



- Red (23%)
- Yellow (56%)
- Blue (100%)



- Cyan (77%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (77%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1665, 52.7755, 102.5720 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 42.1665, 52.7755, 102.5720 by changing the saturation by 10% instead.

42.1665, 52.7755,
102.5720

42.1665, 52.7755,
102.5720

346.1526,
397.4232, 589.7246

29.4234, 37.6236,
77.8214

77.7151, 94.2739,
166.7698

19.5472, 25.6907,
57.4117

101.2514,
121.3892, 207.0542

12.1727, 16.5924,
40.9243

129.1160,
153.2611, 253.3536

6.9344, 9.9443,
27.9407

161.6743,
190.2740, 306.0865

3.4671, 5.3620,
18.0423

199.2918,
232.8123, 365.6715

1.4053, 2.4612,
10.8106

242.3338,

0.2600, 0.8571,

281.2603, 432.5272

5.8271

291.1656,
336.0025, 507.0720

■ 0.0000, 0.0000,
2.6731

■ 0.0000, 0.0000,
0.9299

■ 42.1665, 52.7755,
102.5720

■ 42.1665, 52.7755,
102.5720

■ 39.5241, 49.2123,
102.0235

■ 45.6092, 56.8420,
103.1755

■ 37.5564, 46.0839,
101.5234

■ 49.9427, 61.4566,
103.8378

■ 37.0205, 45.1610,
101.3735

■ 55.2501, 66.6641,
104.5632

■ 61.6031, 72.5024,
105.3553

■ 69.0664, 79.0059,
106.2172

■ 77.6993, 86.2060,
107.1520

■ 87.5569, 94.1320,
108.1623

■ 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.



37.6375, 52.7755, 79.4882



42.1665, 52.7755, 102.5720



49.2510, 52.7755, 113.5303

Triad

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



42.1665, 52.7755, 102.5720



67.1149, 52.7755, 60.1273



43.5956, 52.7755, 26.4113

Complementary

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



42.1665, 52.7755, 102.5720



47.2890, 32.0942, 7.8423

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.



51.0832, 52.7755, 23.7803



42.1665, 52.7755, 102.5720



65.1947, 52.7755, 39.9368

Square

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



42.1665, 52.7755, 102.5720



64.1098, 52.7755, 85.2644



59.1082, 52.7755, 28.0049



38.3991, 52.7755, 36.4764

Rectangle

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



42.1665, 52.7755, 102.5720



54.6753, 52.7755, 110.7946



59.1082, 52.7755, 28.0049



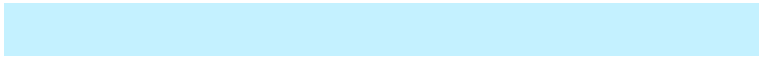
45.9033, 52.7755, 24.7664

Sweetspot

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



42.1681, 52.7773, 102.5723



72.2539, 81.6983, 106.5689



40.1014, 73.4650, 25.3628



14.8251, 16.9463, 22.7395



0.0000, 0.0000, 0.0000



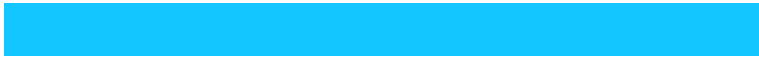
20.3446, 21.4041, 23.3091

Same Dimension

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



42.1681, 52.7773, 102.5723



38.4370, 47.5536, 101.7607



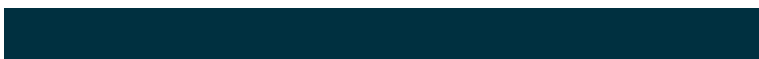
25.5695, 19.5801, 97.0394



18.1559, 19.6834, 23.0923



19.4673, 23.8442, 53.0109



1.9809, 2.4925, 5.1900

Inverse Universe

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



54.0676, 28.8947, 61.7608



51.6379, 25.8308, 55.4158



63.3239, 64.1640, 13.1873



18.5913, 18.2198, 21.7311



26.6144, 13.1350, 27.6836



2.6345, 1.2962, 2.9225

Previews

White Background



This preview shows how the XYZ color 42.1665, 52.7755, 102.5720 looks on a white background.

Color Contrast Check

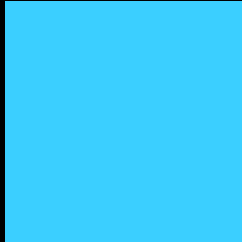
Large Text (above 18pt) WCAG AA × Fail

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 42.1665, 52.7755, 102.5720 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 42.1665, 52.7755, 102.5720

Background



This preview shows how black text looks on a background with the XYZ color 42.1665, 52.7755, 102.5720.



This preview shows how white text looks on a background with the XYZ color 42.1665, 52.7755,

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

42.1665, 52.7755, 102.5720

Protanopia

52.2062, 52.0932, 90.5225

Deuteranopia

53.0465, 51.9571, 101.8406



Tritanopia

38.2218, 53.0201, 82.3482

Trichromacy



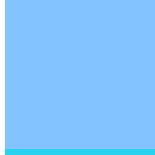
Original Color

42.1665, 52.7755, 102.5720



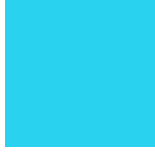
Protanomaly

46.2060, 51.2020, 94.6364



Deuteranomaly

46.9252, 51.0755, 101.9931



Tritanomaly

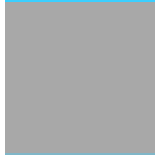
39.3937, 52.7377, 88.9920

Monochromacy



Original Color

42.1665, 52.7755, 102.5720



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

36.0554, 42.2152, 60.8916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1665, 52.7755, 102.5720 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(59, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(59, 207, 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(59, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 207, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.1665, 52.7755, 102.5720 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(59, 207, 255) }
```


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

```
.border{ border-color:rgb(59, 207, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(59, 207,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1665, 52.7755, 102.5720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 207, 255) }
```

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

```
.background{ background-color: rgb(59, 207,  
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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