

Converting Colors

XYZ(44.4263, 51.8383,
102.2720)

Have a look what the booklet for
XYZ(44.4263, 51.8383, 102.2720)
contains.

XYZ(44.4161, 51.8181, 102.2687)	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(44.4161, 51.8181,
102.2687)**

Conversions

Conversions Part 1

Format	Color
Hex	66C9FF
RGB	102, 201, 255
RGB Percent	40%, 79%, 100%
CMY	0.6000, 0.2118, 0.0000
CMYK	0.60, 0.21, 0.00, 0.00
HSL	201°, 100%, 70%
HSV	201°, 60%, 100%
XYZ	44.4161, 51.8181, 102.2687
YIQ	177.5550, -76.3380, -4.1940

Conversions

Conversions Part 2

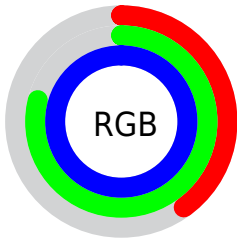
Format	Color
R _Y B	102, 162, 255
Decimal	6736383
CIE _{Lab}	77.17, -13.60, -35.22
CIE _{LCh}	77, 37.758, 248.891
Y _{xy}	51.8181, 0.2238, 0.2610
Android (android.graphics.Color)	4284926463 (0xFF66C9FF)
Y _{UV}	177.5550, 38.1804, -66.2617
Hunter-Lab	71.9848, -15.8352, -33.8439

Details

The XYZ color **44.4161, 51.8181, 102.2687** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **55.5278, 45.9979, 18.5241**, and the grayscale version is **41.9176, 44.1006, 48.0256**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **20.8953, 25.0831, 57.1663** is the 20% darker color. If you saturate the color by 10%, you get **39.9213, 46.4780, 101.4748**, and if you desaturate by 10%, it is **49.9255, 57.8657, 103.1456**.

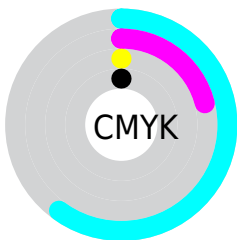
Distribution



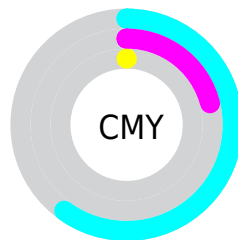
- Red (40%)
- Green (79%)
- Blue (100%)



- Red (40%)
- Yellow (64%)
- Blue (100%)



- Cyan (60%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4161, 51.8181, 102.2687 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 44.4161, 51.8181, 102.2687 by changing the saturation by 10% instead.

■ 44.4161, 51.8181,
102.2687

■ 44.4161, 51.8181,
102.2687

355.2272,
393.7340, 588.7508

■ 31.1971, 36.8601,
77.5692

■ 81.0860, 92.8629,
166.3504

■ 20.9015, 25.0992,
57.2058

■ 105.2676,
119.7185, 206.5697

■ 13.1641, 16.1510,
40.7600

■ 133.8340,
151.3088, 252.7992

■ 7.6194, 9.6310,
27.8133

167.1507,
188.0182, 305.4577

■ 3.9021, 5.1550,
17.9472

205.5830,
230.2309, 364.9635

■ 1.6469, 2.3385,
10.7430

249.4963,

■ 0.4227, 0.7940,

278.3316, 431.7353

5.7823

299.2559,
332.7045, 506.1915

■ 0.0000, 0.0000,
2.6465

■ 0.0000, 0.0000,
0.9163

■ 44.4161, 51.8181,
102.2687

■ 44.4161, 51.8181,
102.2687

■ 39.9213, 46.4780,
101.4748

■ 49.9255, 57.8657,
103.1456

■ 36.3497, 41.7923,
100.7586

■ 56.5205, 64.6575,
104.1089

■ 33.6002, 37.7065,
100.1149

■ 64.2709, 72.2334,
105.1628

■ 31.5058, 34.1315,
99.5352

■ 73.2388, 80.6284,
106.3105

■ 31.5052, 34.1305,
99.5351

■ 83.4818, 89.8748,
107.5553

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.



39.2111, 51.8181, 85.2666



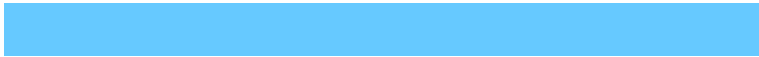
44.4161, 51.8181, 102.2687



51.4299, 51.8181, 105.5615

Triad

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



44.4161, 51.8181, 102.2687



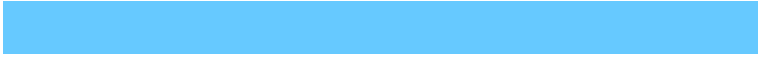
64.2905, 51.8181, 50.4929



41.0346, 51.8181, 30.7749

Complementary

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



44.4161, 51.8181, 102.2687



55.5278, 45.9979, 18.5241

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.



47.1356, 51.8181, 25.5360



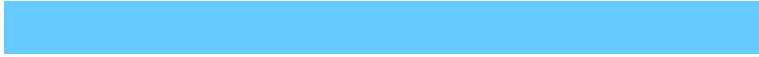
44.4161, 51.8181, 102.2687



60.8744, 51.8181, 34.9476

Square

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



44.4161, 51.8181, 102.2687



63.3808, 51.8181, 71.9962



54.4258, 51.8181, 26.8498



37.3956, 51.8181, 43.2717

Rectangle

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



44.4161, 51.8181, 102.2687



56.2726, 51.8181, 98.9138



54.4258, 51.8181, 26.8498



42.8402, 51.8181, 28.2649

Sweetspot

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



44.4177, 51.8199, 102.2689



75.1808, 82.4059, 106.5512



47.2034, 76.7305, 43.5778



15.4898, 17.0863, 22.7315



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.



44.4177, 51.8199, 102.2689



39.1349, 45.4886, 101.3253



30.8584, 24.7014, 97.7492



17.9838, 19.3392, 23.0349



16.6079, 18.1254, 52.0578



1.7199, 1.9706, 5.1030

Inverse Universe

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



56.5351, 34.9814, 59.0325



52.8350, 29.5440, 51.7480



72.5096, 79.9615, 24.1847



18.5045, 18.1851, 21.2737



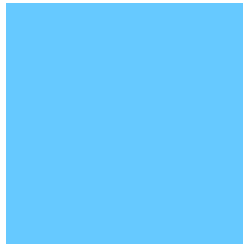
25.1711, 12.5577, 20.0834



2.5027, 1.2435, 2.2289

Previews

White Background



This preview shows how the XYZ color 44.4161, 51.8181, 102.2687 looks on a white background.

Color Contrast Check

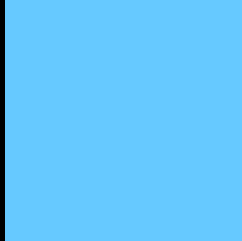
Large Text (above 18pt) WCAG AA × Fail

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 44.4161, 51.8181, 102.2687 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

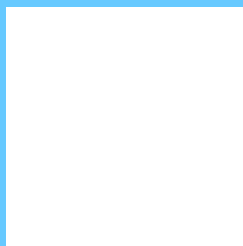
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.4161, 51.8181, 102.2687

Background



This preview shows how black text looks on a background with the XYZ color 44.4161, 51.8181, 102.2687.

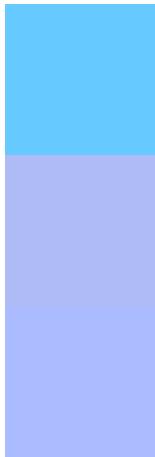


This preview shows how white text looks on a background with the XYZ color 44.4161, 51.8181,

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

44.4161, 51.8181, 102.2687

Protanopia

51.7073, 51.1319, 93.5304

Deuteranopia

52.3979, 51.3067, 101.7493



Tritanopia

39.6566, 52.0281, 77.7643

Trichromacy



Original Color

44.4161, 51.8181, 102.2687

Protanomaly

48.1613, 50.8347, 96.8962

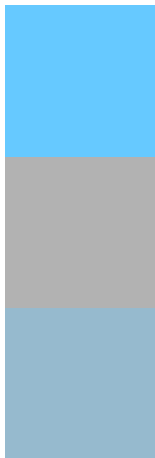
Deuteranomaly

48.5767, 50.9390, 101.8797

Tritanomaly

41.3409, 51.9880, 86.4530

Monochromacy



Original Color

44.4161, 51.8181, 102.2687

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.2772, 46.0581, 65.1071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4161, 51.8181, 102.2687 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(102, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 201, 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(102, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 201, 255) }
```

Border

The CSS property to change the border of an element to XYZ 44.4161, 51.8181, 102.2687 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(102, 201, 255) }
```


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

```
.border{ border-color:rgb(102, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 201,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4161, 51.8181, 102.2687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 201, 255) }
```

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

```
.background{ background-color: rgb(102,  
201, 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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