

Converting Colors

XYZ(46.6116, 62.3165,
104.1793)

Have a look what the booklet for
XYZ(46.6116, 62.3165, 104.1793)
contains.

XYZ(46.6116, 62.3165, 104.1793)	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(46.6116, 62.3165,
104.1793)**

Conversions

Conversions Part 1

Format	Color
Hex	33E2FF
RGB	51, 226, 255
RGB Percent	20%, 89%, 100%
CMY	0.7999, 0.1137, 0.0000
CMYK	0.80, 0.11, 0.00, 0.00
HSL	189°, 100%, 60%
HSV	189°, 80%, 100%
XYZ	46.6116, 62.3165, 104.1793
YIQ	176.9810, -113.6090, -28.0810

Conversions

Conversions Part 2

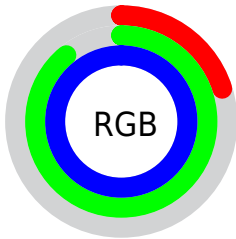
Format	Color
R _Y B	51, 145, 255
Decimal	3400447
CIE Lab	83.08, -32.78, -26.25
CIE LCh	83, 41.993, 218.685
Yxy	62.3165, 0.2187, 0.2924
Android (android.graphics.Color)	4281590527 (0xFF33E2FF)
YUV	176.9810, 38.4634, -110.4853
Hunter-Lab	78.9408, -32.7488, -22.9873

Details

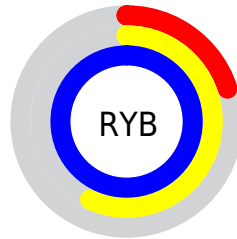
The XYZ color **46.6116, 62.3165, 104.1793** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **44.7078, 27.2389, 6.0355**, and the grayscale version is **41.6308, 43.7988, 47.6969**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **24.5678, 32.8267, 58.4674** is the 20% darker color. If you saturate the color by 10%, you get **44.6856, 59.8769, 103.8100**, and if you desaturate by 10%, it is **49.2653, 65.1646, 104.5892**.

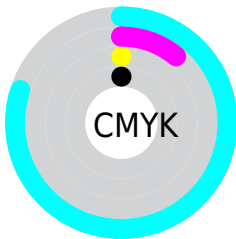
Distribution



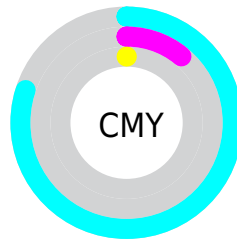
- Red (20%)
- Green (89%)
- Blue (100%)



- Red (20%)
- Yellow (57%)
- Blue (100%)



- Cyan (80%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6116, 62.3165, 104.1793 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 46.6116, 62.3165, 104.1793 by changing the saturation by 10% instead.

46.6116, 62.3165,
104.1793

46.6116, 62.3165,
104.1793

363.9369,
433.0846, 594.8711

32.9354, 45.2885,
79.1591

84.3558, 108.1828,
168.9905

22.2359, 31.6847,
58.5046

109.1546,
137.7899, 209.6187

14.1479, 21.1208,
41.7970

138.3915,
172.3589, 256.2866

8.3060, 13.2123,
28.6180

172.4320,
212.2740, 309.4127

4.3448, 7.5749,
18.5490

211.6415,
257.9198, 369.4158

1.8990, 3.8242,
11.1713

256.3852,

0.5763, 1.5757,

309.6805, 436.7141

6.0666

307.0286,
367.9407, 511.7264

■ 0.0000, 0.3411,
2.8162

■ 0.0000, 0.0000,
1.0015

■ 46.6116, 62.3165,
104.1793

■ 46.6116, 62.3165,
104.1793

■ 44.6856, 59.8769,
103.8100

■ 49.2653, 65.1646,
104.5892

■ 43.3174, 57.7544,
103.4724

■ 52.7422, 68.4671,
105.0434

■ 43.3164, 57.7529,
103.4721

■ 57.1288, 72.2697,
105.5462

■ 62.4988, 76.6109,
106.1011

■ 68.9186, 81.5249,
106.7112

■ 76.4486, 87.0430,
107.3795

■ 85.1444, 93.1942,
108.1084

■ 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.



43.5829, 62.3165, 75.6919



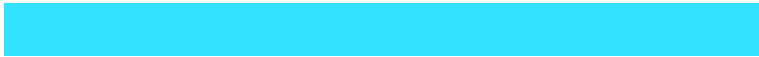
46.6116, 62.3165, 104.1793



53.1034, 62.3165, 125.9572

Triad

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



46.6116, 62.3165, 104.1793



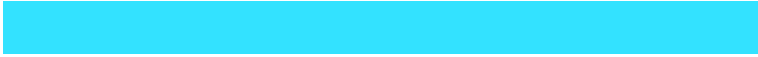
77.0431, 62.3165, 87.7142



56.6306, 62.3165, 29.4341

Complementary

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



46.6116, 62.3165, 104.1793



44.7078, 27.2389, 6.0355

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.



65.8106, 62.3165, 31.0971



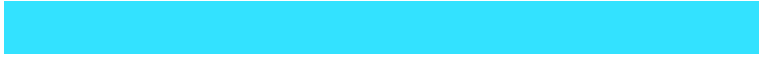
46.6116, 62.3165, 104.1793



78.2346, 62.3165, 60.5732

Square

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



46.6116, 62.3165, 104.1793



70.8355, 62.3165, 114.8856



73.9419, 62.3165, 41.1357



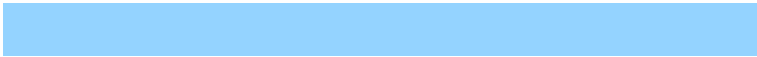
48.9668, 62.3165, 35.8083

Rectangle

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



46.6116, 62.3165, 104.1793



58.8299, 62.3165, 131.1778



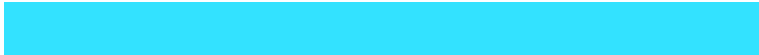
73.9419, 62.3165, 41.1357



59.6318, 62.3165, 29.1140

Sweetspot

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



46.6134, 62.3187, 104.1797



73.2940, 84.7571, 107.1045



38.5091, 72.7775, 19.2663



15.1207, 17.7245, 22.8742



0.0000, 0.0000, 0.0000



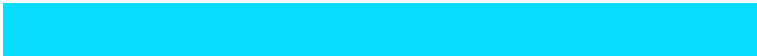
20.3446, 21.4041, 23.3091

Same Dimension

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



46.6134, 62.3187, 104.1797



43.8235, 58.5775, 103.6046



26.8531, 22.7980, 97.5929



18.3218, 20.0152, 23.1476



22.7182, 30.3460, 54.0946



2.2697, 3.0701, 5.2862

Inverse Universe

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



56.1526, 29.1205, 74.6149



54.2955, 26.6594, 70.1334



58.2011, 54.2254, 10.5332



18.6751, 18.2533, 22.1721



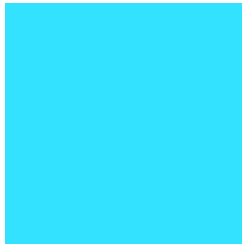
28.2553, 13.7914, 36.3245



2.7803, 1.3545, 3.6902

Previews

White Background



This preview shows how the XYZ color 46.6116, 62.3165, 104.1793 looks on a white background.

Color Contrast Check

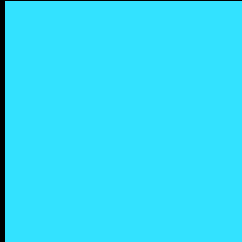
Large Text (above 18pt) WCAG AA × Fail

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 46.6116, 62.3165, 104.1793 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 46.6116, 62.3165, 104.1793

Background



This preview shows how black text looks on a background with the XYZ color 46.6116, 62.3165, 104.1793.

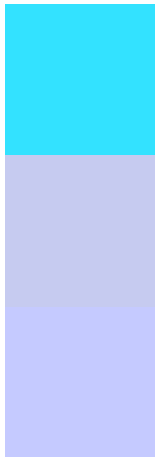


This preview shows how white text looks on a background with the XYZ color 46.6116, 62.3165,

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

46.6116, 62.3165, 104.1793

Protanopia

60.3728, 61.0089, 91.0320

Deuteranopia

62.1965, 61.3314, 103.1678



Tritanopia

45.0181, 62.0634, 96.7955

Trichromacy



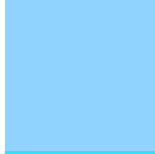
Original Color

46.6116, 62.3165, 104.1793



Protanomaly

51.4528, 59.2008, 95.1013



Deuteranomaly

52.8459, 59.7378, 103.3530



Tritanomaly

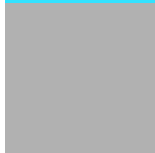
45.6502, 62.3356, 99.2485

Monochromacy



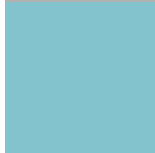
Original Color

46.6116, 62.3165, 104.1793



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.8946, 48.2633, 64.9707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6116, 62.3165, 104.1793 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(51, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 226, 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(51, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.6116, 62.3165, 104.1793 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(51, 226, 255) }
```


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

```
.border{ border-color:rgb(51, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6116, 62.3165, 104.1793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 226, 255) }
```

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

```
.background{ background-color: rgb(51, 226,  
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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