

Converting Colors

XYZ(45.9864, 62.3721,
170.8607)

Have a look what the booklet for
XYZ(45.9864, 62.3721, 170.8607)
contains.

XYZ(46.6259, 64.3718, 104.5753)	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(46.6259, 64.3718,
104.5753)**

Conversions

Conversions Part 1

Format	Color
Hex	00E7FF
RGB	0, 231, 255
RGB Percent	0%, 91%, 100%
CMY	0.9997, 0.0941, 0.0000
CMYK	1.00, 0.09, 0.00, 0.00
HSL	186°, 100%, 50%
HSV	186°, 100%, 100%
XYZ	46.6259, 64.3718, 104.5753
YIQ	164.6670, -145.3800, -41.5080

Conversions

Conversions Part 2

Format	Color
RYB	0, 121, 255
Decimal	59391
CIELab	84.16, -37.38, -24.64
CIELCh	84, 44.773, 213.388
Yxy	64.3718, 0.2163, 0.2986
Android (android.graphics.Color)	4278249471 (0xFF00E7FF)
YUV	164.6670, 44.5342, -144.4130
Hunter-Lab	80.2320, -36.6729, -21.1168

Details

The XYZ color **46.6259, 64.3718, 104.5753** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.5686, 21.9165, 2.0416**, and the grayscale version is **35.4599, 37.3065, 40.6268**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **25.5230, 34.7372, 58.7858** is the 20% darker color. If you saturate the color by 10%, you get **46.6248, 64.3695, 104.5749**, and if you desaturate by 10%, it is **47.7185, 65.9406, 104.8205**.

Distribution



- Red (0%)
- Green (91%)
- Blue (100%)



- Red (0%)
- Yellow (47%)
- Blue (100%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6259, 64.3718, 104.5753 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 46.6259, 64.3718, 104.5753 by changing the saturation by 10% instead.

46.6259, 64.3718,
104.5753

46.6259, 64.3718,
104.5753

363.9932,
440.5310, 596.1355

32.9467, 46.9519,
79.4889

84.3771, 111.1462,
169.5371

22.2447, 32.9976,
58.7742

109.1798,
141.2695, 210.2496

14.1544, 22.1246,
42.0126

138.4211,
176.3960, 257.0080

8.3106, 13.9485,
28.7855

172.4662,
216.9102, 310.2306

4.3478, 8.0849,
18.6744

211.6807,
263.1964, 370.3362

1.9007, 4.1493,
11.2608

256.4298,

0.5772, 1.7574,

315.6390, 437.7432

6.1262

307.0788,
374.6224, 512.8701

■ 0.0000, 0.4604,
2.8519

■ 0.0000, 0.0000,
1.0195

■ 46.6259, 64.3718,
104.5753

■ 46.6259, 64.3718,
104.5753

■ 46.6248, 64.3695,
104.5749

■ 47.7185, 65.9406,
104.8205

■ 49.3581, 67.8038,
105.0937

■ 51.7105, 70.0483,
105.4030

■ 54.8766, 72.7261,
105.7530

■ 58.9406, 75.8807,
106.1477

■ 63.9765, 79.5502,
106.5905

■ 70.0504, 83.7688,
107.0847

■ 77.2225, 88.5677,
107.6330

■ 85.5486, 93.9755,
108.2379

Harmonies

Analogous

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



44.0803, 64.3718, 73.3615



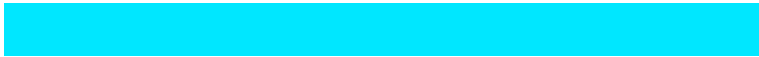
46.6259, 64.3718, 104.5753



53.0465, 64.3718, 131.0032

Triad

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



46.6259, 64.3718, 104.5753



79.8295, 64.3718, 97.4565



60.0653, 64.3718, 28.5383

Complementary

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



46.6259, 64.3718, 104.5753



41.5686, 21.9165, 2.0416

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.



70.1127, 64.3718, 31.7738



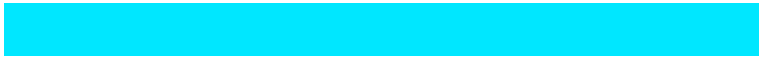
46.6259, 64.3718, 104.5753



82.2212, 64.3718, 66.9171

Square

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



46.6259, 64.3718, 104.5753



72.2683, 64.3718, 126.1749



78.4937, 64.3718, 44.1657



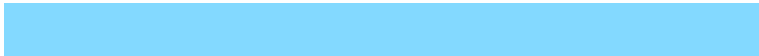
51.2944, 64.3718, 33.7134

Rectangle

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



46.6259, 64.3718, 104.5753



59.0177, 64.3718, 139.3892



78.4937, 64.3718, 44.1657



63.4016, 64.3718, 28.6854

Sweetspot

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



46.6277, 64.3740, 104.5756



70.0306, 83.7554, 107.0831



35.8993, 71.5758, 12.6486



14.4136, 17.5318, 22.8742



0.0000, 0.0000, 0.0000



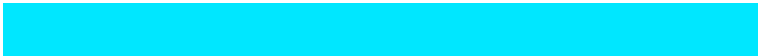
20.3446, 21.4041, 23.3091

Same Dimension

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



46.6277, 64.3740, 104.5756



46.6248, 64.3695, 104.5749



23.2354, 17.5894, 96.7782



18.4001, 20.1718, 23.1737



24.4225, 33.7545, 54.6627



2.4187, 3.3682, 5.3359

Inverse Universe

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



55.6651, 27.0314, 77.8873



55.6632, 27.0293, 77.8816



51.9534, 42.6861, 5.5032



18.7146, 18.2692, 22.3802



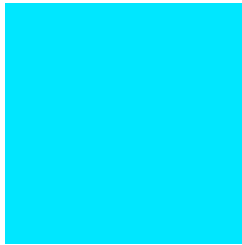
29.1155, 14.1355, 40.8544



2.8555, 1.3846, 4.0863

Previews

White Background



This preview shows how the XYZ color 46.6259, 64.3718, 104.5753 looks on a white background.

Color Contrast Check

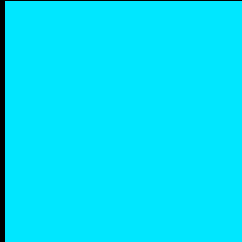
Large Text (above 18pt) WCAG AA × Fail

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 46.6259, 64.3718, 104.5753 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 46.6259, 64.3718, 104.5753

Background



This preview shows how black text looks on a background with the XYZ color 46.6259, 64.3718, 104.5753.

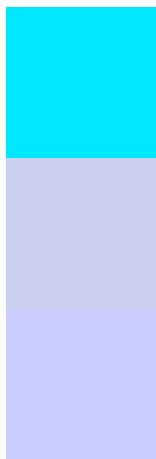


This preview shows how white text looks on a background with the XYZ color 46.6259, 64.3718,

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

46.6259, 64.3718, 104.5753

Protanopia

62.5214, 63.5542, 90.6333

Deuteranopia

64.2384, 63.4392, 103.4670



Tritanopia

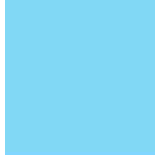
46.1119, 64.6154, 100.4841

Trichromacy



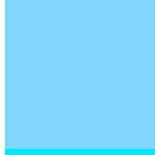
Original Color

46.6259, 64.3718, 104.5753



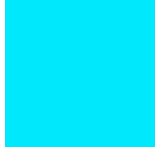
Protanomaly

50.0906, 60.3714, 95.3990



Deuteranomaly

51.1498, 59.9803, 103.4892



Tritanomaly

46.4273, 64.7415, 102.1448

Monochromacy



Original Color

46.6259, 64.3718, 104.5753



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

34.2163, 43.4757, 60.0143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6259, 64.3718, 104.5753 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(0, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 231, 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(0, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.6259, 64.3718, 104.5753 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(0, 231, 255) }
```


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

```
.border{ border-color:rgb(0, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6259, 64.3718, 104.5753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 231, 255) }
```

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

```
.background{ background-color: rgb(0, 231,  
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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