

Converting Colors

XYZ(47.1643, 65.3539,
104.7365)

Have a look what the booklet for
XYZ(47.1643, 65.3539, 104.7365)
contains.

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Color

**XYZ(47.2515, 65.5301,
104.7659)**

Conversions

Conversions Part 1

Format	Color
Hex	05E9FF
RGB	5, 233, 255
RGB Percent	2%, 91%, 100%
CMY	0.9801, 0.0863, 0.0000
CMYK	0.98, 0.09, 0.00, 0.00
HSL	185°, 100%, 51%
HSV	185°, 98%, 100%
XYZ	47.2515, 65.5301, 104.7659
YIQ	167.3360, -142.9500, -41.4940

Conversions

Conversions Part 2

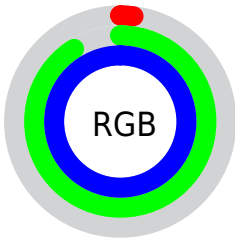
Format	Color
RYB	5, 124, 255
Decimal	387583
CIELab	84.76, -38.20, -23.73
CIELCh	85, 44.972, 211.846
Yxy	65.5301, 0.2172, 0.3012
Android (android.graphics.Color)	4278577663 (0xFF05E9FF)
YUV	167.3360, 43.2184, -142.3687
Hunter-Lab	80.9507, -37.4719, -20.0673

Details

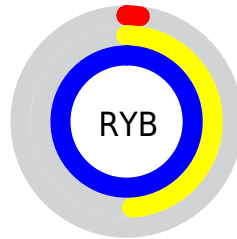
The XYZ color **47.2515, 65.5301, 104.7659** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.6614, 22.0583, 2.2076**, and the grayscale version is **36.7518, 38.6658, 42.1071**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **25.9152, 35.5215, 58.9165** is the 20% darker color. If you saturate the color by 10%, you get **47.0635, 65.2470, 104.7212**, and if you desaturate by 10%, it is **48.3816, 67.0633, 105.0023**.

Distribution



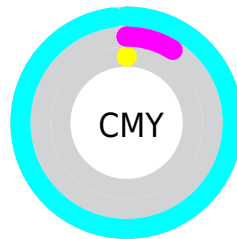
- Red (2%)
- Green (91%)
- Blue (100%)



- Red (2%)
- Yellow (49%)
- Blue (100%)



- Cyan (98%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (98%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2515, 65.5301, 104.7659 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 47.2515, 65.5301, 104.7659 by changing the saturation by 10% instead.


 47.2515, 65.5301,
104.7659


 47.2515, 65.5301,
104.7659


366.4497,
444.6945, 596.7436


 33.4433, 47.8910,
79.6477


 85.3054, 112.8116,
169.8001


 22.6271, 33.7406,
58.9040

 110.2818,
143.2229, 210.5532

 14.4376, 22.6944,
42.1164


 139.7116,
178.6604, 257.3550

 8.5094, 14.3680,
28.8662

 173.9602,
219.5084, 310.6241

 4.4771, 8.3771,
18.7349

213.3929,
266.1515, 370.7789

 1.9754, 4.3372,
11.3040

258.3752,

 0.6201, 1.8639,

318.9739, 438.2381

6.1550

309.2723,
378.3601, 513.4201

■ 0.0000, 0.5265,
2.8692

■ 0.0000, 0.0000,
1.0283

■ 47.2515, 65.5301,
104.7659

■ 47.2515, 65.5301,
104.7659

■ 47.0635, 65.2470,
104.7212

■ 48.3816, 67.0633,
105.0023

■ 50.1119, 68.9165,
105.2688

■ 52.5754, 71.1599,
105.5720

■ 55.8689, 73.8432,
105.9163

■ 60.0744, 77.0089,
106.3057

■ 65.2642, 80.6942,
106.7435

■ 71.5029, 84.9325,
107.2328

■ 78.8500, 89.7545,
107.7763

■ 87.3602, 95.1885,
108.3766

Harmonies

Analogous

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



44.8779, 65.5301, 73.1516



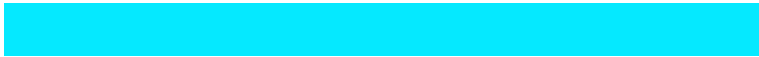
47.2515, 65.5301, 104.7659



53.5936, 65.5301, 132.2093

Triad

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



47.2515, 65.5301, 104.7659



80.9491, 65.5301, 100.8213



61.6630, 65.5301, 29.0605

Complementary

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



47.2515, 65.5301, 104.7659



41.6614, 22.0583, 2.2076

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.



71.8673, 65.5301, 32.7967



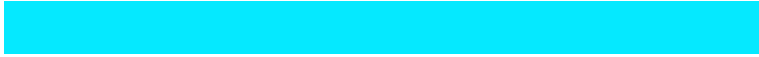
47.2515, 65.5301, 104.7659



83.6939, 65.5301, 69.5805

Square

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



47.2515, 65.5301, 104.7659



73.0618, 65.5301, 129.5339



80.2089, 65.5301, 45.9243



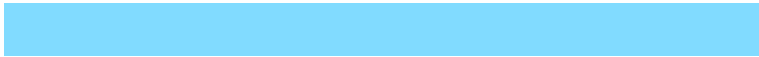
52.6227, 65.5301, 33.8716

Rectangle

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



47.2515, 65.5301, 104.7659



59.5803, 65.5301, 141.4629



80.2089, 65.5301, 45.9243



65.0691, 65.5301, 29.3535

Sweetspot

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



47.2533, 65.5324, 104.7662



70.8365, 84.4872, 107.1819



36.0089, 71.6269, 12.8991



14.5739, 17.6870, 22.8958



0.0000, 0.0000, 0.0000



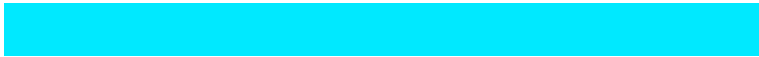
20.3446, 21.4041, 23.3091

Same Dimension

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



47.2533, 65.5324, 104.7662



47.0635, 65.2470, 104.7212



23.6047, 18.2351, 96.8834



18.4101, 20.1918, 23.1770



24.6483, 34.2062, 54.7379



2.4384, 3.4075, 5.3425

Inverse Universe

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



56.0035, 27.2536, 79.4019



55.8847, 27.1179, 79.0478



52.3127, 43.3609, 5.7581



18.7196, 18.2712, 22.4068



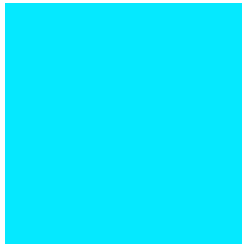
29.2295, 14.1811, 41.4547



2.8654, 1.3885, 4.1386

Previews

White Background



This preview shows how the XYZ color 47.2515, 65.5301, 104.7659 looks on a white background.

Color Contrast Check

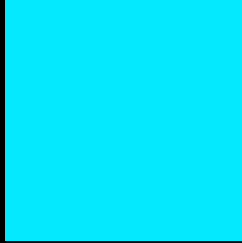
Large Text (above 18pt) WCAG AA × Fail

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 47.2515, 65.5301, 104.7659 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 47.2515, 65.5301, 104.7659

Background



This preview shows how black text looks on a background with the XYZ color 47.2515, 65.5301, 104.7659.

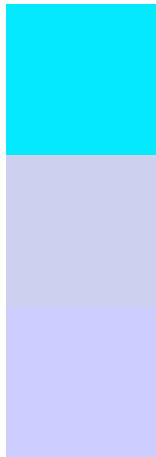


This preview shows how white text looks on a background with the XYZ color 47.2515, 65.5301,

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

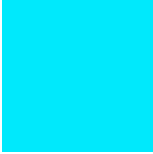
47.2515, 65.5301, 104.7659

Protanopia

63.1653, 64.2639, 89.9639

Deuteranopia

65.2981, 64.3417, 103.5854



Tritanopia

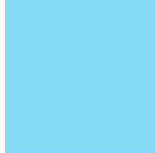
46.7096, 65.3061, 102.2389

Trichromacy



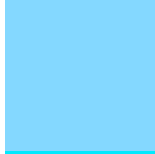
Original Color

47.2515, 65.5301, 104.7659



Protanomaly

50.6577, 61.0629, 94.7043



Deuteranomaly

52.1216, 61.2373, 103.6806



Tritanomaly

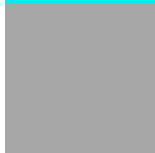
46.8936, 65.3826, 103.0771

Monochromacy



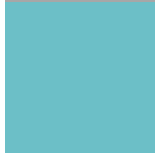
Original Color

47.2515, 65.5301, 104.7659



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

35.1239, 44.5733, 60.7851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2515, 65.5301, 104.7659 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(5, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(5, 233, 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(5, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.2515, 65.5301, 104.7659 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(5, 233, 255) }
```


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

```
.border{ border-color:rgb(5, 233, 255) }
```

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

Here you see how a box with a 4 pixel rgb(5, 233, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(5, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2515, 65.5301, 104.7659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 233, 255) }
```

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

```
.background{ background-color: rgb(5, 233,  
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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