

Converting Colors

XYZ(46.4127, 75.8441, 65.1707)

Have a look what the booklet for
XYZ(46.4127, 75.8441, 65.1707)
contains.

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Color

**XYZ(46.3735, 75.8272,
65.0153)**

Conversions

Conversions Part 1

Format	Color
Hex	1EFFC5
RGB	30, 255, 197
RGB Percent	12%, 100%, 77%
CMY	0.8823, 0.0000, 0.2274
CMYK	0.88, 0.00, 0.23, 0.00
HSL	165°, 100%, 56%
HSV	165°, 88%, 100%
XYZ	46.3735, 75.8272, 65.0153
YIQ	181.1130, -115.4820, -65.7380

Conversions

Conversions Part 2

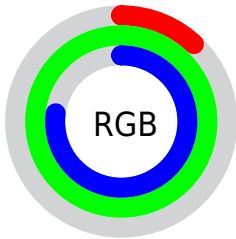
Format	Color
R _Y B	30, 159, 255
Decimal	2031557
CIE Lab	89.78, -62.32, 13.96
CIE LCh	90, 63.866, 167.372
Yxy	75.8272, 0.2477, 0.4050
Android (android.graphics.Color)	4280221637 (0xFF1EFFC5)
YUV	181.1130, 7.8323, -132.5261
Hunter-Lab	87.0788, -57.3284, 16.6877

Details

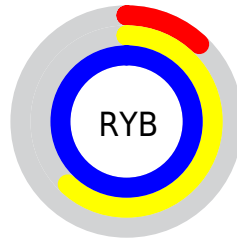
The XYZ color **46.3735, 75.8272, 65.0153** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **43.4670, 22.8945, 11.3646**, and the grayscale version is **43.9888, 46.2796, 50.3985**.

A 20% lighter version of the original color is **61.6754, 82.8133, 106.4999**, and **24.9242, 41.9157, 32.7635** is the 20% darker color. If you saturate the color by 10%, you get **45.1578, 75.2856, 61.1126**, and if you desaturate by 10%, it is **48.2125, 76.6863, 69.1213**.

Distribution



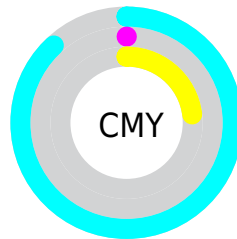
- Red (12%)
- Green (100%)
- Blue (77%)



- Red (12%)
- Yellow (62%)
- Blue (100%)



- Cyan (88%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (88%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3735, 75.8272, 65.0153 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 46.3735, 75.8272, 65.0153 by changing the saturation by 10% instead.


 46.3735, 75.8272,
65.0153


 46.3735, 75.8272,
65.0153


362.9990,
480.7560, 461.1547


 32.7465, 56.2908,
47.0221


 84.0021, 127.4826,
113.6853


 22.0906, 40.4361,
32.6986


 108.7345,
160.3704, 145.1992

 14.0405, 27.8788,
21.6264


 137.8994,
198.4775, 182.0571

 8.2307, 18.2343,
13.3870

 171.8622,
242.1883, 224.6774

 4.2960, 11.1183,
7.5617

210.9882,
291.8871, 273.4788

 1.8709, 6.1465,
3.7321

255.6427,

 0.5598, 2.9344,

347.9584, 328.8798

1.4795

306.1912,
410.7866, 391.2989

■ 0.0000, 1.0976,
0.2026

■ 0.0000, 0.0000,
0.0000

■ 46.3735, 75.8272,
65.0153

■ 46.3735, 75.8272,
65.0153

■ 45.1578, 75.2856,
61.1126

■ 48.2125, 76.6863,
69.1213

■ 44.9739, 75.2056,
60.4398

■ 50.8066, 77.9308,
73.4349

■ 54.2543, 79.6115,
77.9641

■ 58.6383, 81.7709,
82.7149

64.0312, 84.4465,
87.6927

70.4983, 87.6718,
92.9025

78.0994, 91.4776,
98.3489

86.8898, 95.8925,
104.0367

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.



52.0056, 75.8272, 36.6513



46.3735, 75.8272, 65.0153



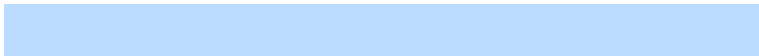
46.8588, 75.8272, 111.2627

Triad

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



46.3735, 75.8272, 65.0153



81.4977, 75.8272, 196.0920



94.5895, 75.8272, 33.7755

Complementary

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



46.3735, 75.8272, 65.0153



43.4670, 22.8945, 11.3646

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.



105.0124, 75.8272, 59.2787



46.3735, 75.8272, 65.0153



96.7305, 75.8272, 156.3364

Square

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



46.3735, 75.8272, 65.0153



65.6511, 75.8272, 199.4187



105.8485, 75.8272, 103.0139



78.8974, 75.8272, 23.5520

Rectangle

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



46.3735, 75.8272, 65.0153



50.5827, 75.8272, 147.1952



105.8485, 75.8272, 103.0139



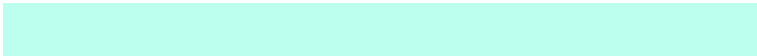
98.9188, 75.8272, 40.3125

Sweetspot

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



46.3743, 75.8276, 65.0167



72.0911, 88.4682, 94.0948



40.2125, 73.7883, 13.3528



14.9054, 18.6734, 19.7443



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.



46.3743, 75.8276, 65.0167



44.9739, 75.2056, 60.4398



39.8252, 49.9747, 102.1548



18.3431, 20.3968, 22.1097



23.5639, 39.3222, 31.9184



2.3388, 3.8465, 3.3420

Inverse Universe

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



43.4670, 22.8945, 11.3646



42.2156, 21.6503, 7.0676



44.5309, 27.4665, 4.1842



18.2015, 18.0639, 19.6784



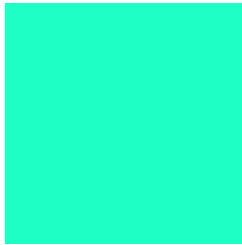
22.1096, 11.3331, 3.9615



2.1949, 1.1203, 0.6080

Previews

White Background



This preview shows how the XYZ color 46.3735, 75.8272, 65.0153 looks on a white background.

Color Contrast Check

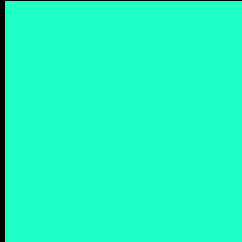
Large Text (above 18pt) WCAG AA × Fail

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 46.3735, 75.8272, 65.0153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

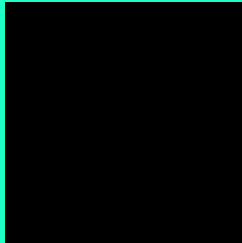
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3735, 75.8272, 65.0153

Background



This preview shows how black text looks on a background with the XYZ color 46.3735, 75.8272, 65.0153.

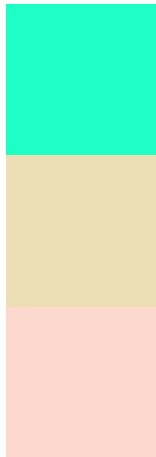


This preview shows how white text looks on a background with the XYZ color 46.3735, 75.8272,

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

46.3735, 75.8272, 65.0153

Protanopia

69.6532, 74.1161, 54.3508

Deuteranopia

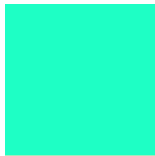
75.8413, 74.2634, 68.7295



Tritanopia

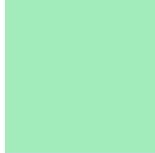
60.0253, 75.1156, 105.9428

Trichromacy



Original Color

46.3735, 75.8272, 65.0153



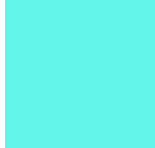
Protanomaly

53.5783, 70.6859, 57.8336



Deuteranomaly

55.8709, 69.5634, 66.9823



Tritanomaly

52.7592, 73.9547, 89.3359

Monochromacy



Original Color

46.3735, 75.8272, 65.0153



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

40.1297, 53.1352, 55.1548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3735, 75.8272, 65.0153 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(30, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(30, 255, 197)  
}
```

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(30, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 255, 197) }
```

Border

The CSS property to change the border of an element to XYZ 46.3735, 75.8272, 65.0153 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(30, 255, 197) }
```


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

```
.border{ border-color:rgb(30, 255, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 255, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(30, 255,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3735, 75.8272, 65.0153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 255, 197) }
```

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

```
.background{ background-color: rgb(30, 255,  
197) }
```

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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