

Converting Colors

XYZ(48.1216, 76.6222, 69.8857)

Have a look what the booklet for
XYZ(48.1216, 76.6222, 69.8857)
contains.

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Color

**XYZ(48.1447, 76.6316,
70.0115)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFCD
RGB	51, 255, 205
RGB Percent	20%, 100%, 80%
CMY	0.8000, 0.0000, 0.1961
CMYK	0.80, 0.00, 0.20, 0.00
HSL	165°, 100%, 60%
HSV	165°, 80%, 100%
XYZ	48.1447, 76.6316, 70.0115
YIQ	188.3040, -105.5340, -58.7980

Conversions

Conversions Part 2

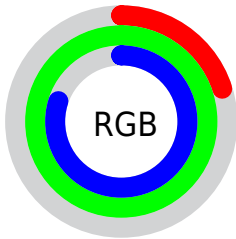
Format	Color
RYB	51, 167, 255
Decimal	3407821
CIELab	90.15, -58.98, 10.40
CIELCh	90, 59.888, 170.003
Yxy	76.6316, 0.2472, 0.3934
Android (android.graphics.Color)	4281597901 (0xFF33FFCD)
YUV	188.3040, 8.2311, -120.4156
Hunter-Lab	87.5395, -55.0232, 13.8592

Details

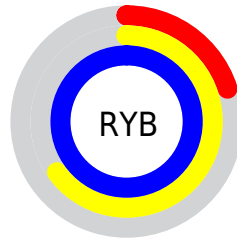
The XYZ color **48.1447, 76.6316, 70.0115** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **44.7738, 24.5684, 14.6967**, and the grayscale version is **47.9720, 50.4703, 54.9621**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **25.5522, 42.1669, 36.0704** is the 20% darker color. If you saturate the color by 10%, you get **46.4537, 75.8452, 66.0732**, and if you desaturate by 10%, it is **50.5708, 77.7933, 74.1442**.

Distribution



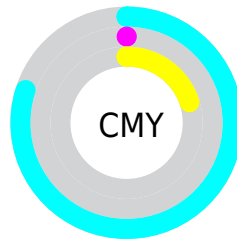
- Red (20%)
- Green (100%)
- Blue (80%)



- Red (20%)
- Yellow (65%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1447, 76.6316, 70.0115 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 48.1447, 76.6316, 70.0115 by changing the saturation by 10% instead.

 48.1447, 76.6316,
70.0115


 48.1447, 76.6316,
70.0115


369.9384,
483.5070, 479.3806


 34.1532, 56.9506,
51.0590


 86.6282, 128.6193,
120.9064


 23.1748, 40.9656,
35.8785


 111.8509,
161.6948, 153.6860

 14.8440, 28.2922,
24.0515


 141.5481,
200.0039, 191.9116

 8.7956, 18.5460,
15.1592

 176.0851,
243.9309, 236.0020

 4.6641, 11.3427,
8.7834

215.8273,
293.8604, 286.3755

 2.0843, 6.2978,
4.5053

261.1400,

 0.6807, 3.0270,

350.1766, 343.4507

1.9064

312.3886,
413.2640, 407.6463

■ 0.0000, 1.1459,
0.4968

■ 0.0000, 0.0168,
0.0000

■ 48.1447, 76.6316,
70.0115

■ 48.1447, 76.6316,
70.0115

■ 46.4537, 75.8452,
66.0732

■ 50.5708, 77.7933,
74.1442

■ 45.3303, 75.3481,
62.3157

■ 53.8306, 79.3814,
78.4737

■ 45.3298, 75.3479,
62.3141

■ 58.0098, 81.4398,
83.0071

■ 63.1823, 84.0067,
87.7496

■ 69.4148, 87.1164,
92.7060

■ 76.7676, 90.8001,
97.8808

■ 85.2969, 95.0864,
103.2783

■ 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.



53.0496, 76.6316, 41.0881



48.1447, 76.6316, 70.0115



49.1310, 76.6316, 114.7098

Triad

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



48.1447, 76.6316, 70.0115



83.0636, 76.6316, 186.4988



92.8089, 76.6316, 35.1057

Complementary

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



48.1447, 76.6316, 70.0115



44.7738, 24.5684, 14.6967

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.



103.1520, 76.6316, 58.4399



48.1447, 76.6316, 70.0115



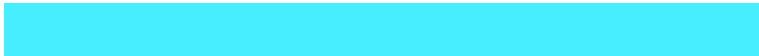
97.0163, 76.6316, 147.9353

Square

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



48.1447, 76.6316, 70.0115



67.9829, 76.6316, 192.8909



104.7886, 76.6316, 98.4816



77.9148, 76.6316, 25.9759

Rectangle

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



48.1447, 76.6316, 70.0115



53.0510, 76.6316, 147.9435



104.7886, 76.6316, 98.4816



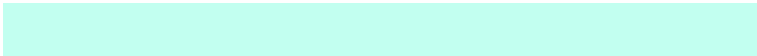
97.0143, 76.6316, 41.0847

Sweetspot

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



48.1455, 76.6320, 70.0129



73.6850, 89.2541, 95.7821



41.8383, 74.5844, 15.3244



15.2179, 18.8267, 20.1080



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.



48.1455, 76.6320, 70.0129



45.7379, 75.5259, 63.7966



41.0094, 51.1112, 102.3118



18.3534, 20.4009, 22.1638



23.7481, 39.3958, 32.8883



2.3554, 3.8531, 3.4294

Inverse Universe

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



44.7738, 24.5684, 14.6967



42.4626, 21.9262, 7.8218



46.5900, 31.0036, 6.6620



18.1919, 18.0601, 19.6278



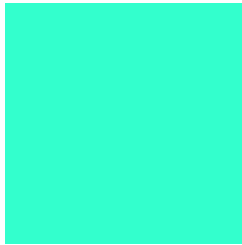
22.0594, 11.3130, 3.6972



2.1889, 1.1179, 0.5761

Previews

White Background



This preview shows how the XYZ color 48.1447, 76.6316, 70.0115 looks on a white background.

Color Contrast Check

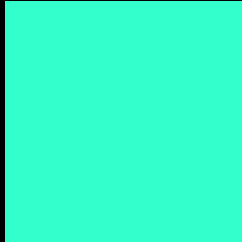
Large Text (above 18pt) WCAG AA × Fail

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 48.1447, 76.6316, 70.0115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

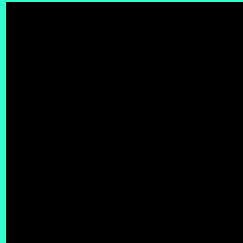
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

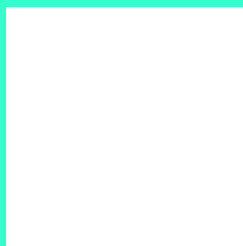
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.1447, 76.6316, 70.0115

Background



This preview shows how black text looks on a background with the XYZ color 48.1447, 76.6316, 70.0115.



This preview shows how white text looks on a background with the XYZ color 48.1447, 76.6316,

Color Blindness Simulation

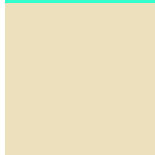
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



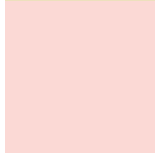
Original Color

48.1447, 76.6316, 70.0115



Protanopia

70.7660, 74.9900, 58.8889



Deuteranopia

76.6068, 74.9390, 73.3779



Tritanopia

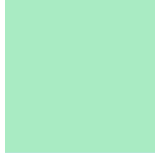
61.0641, 75.6512, 105.9915

Trichromacy



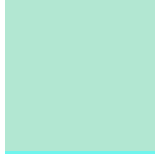
Original Color

48.1447, 76.6316, 70.0115



Protanomaly

55.9208, 71.7918, 62.5396



Deuteranomaly

58.5689, 71.2699, 71.6423



Tritanomaly

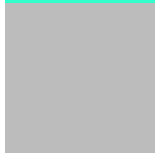
54.4940, 74.7987, 91.6862

Monochromacy



Original Color

48.1447, 76.6316, 70.0115



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.7623, 56.3853, 59.6159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1447, 76.6316, 70.0115 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, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 205)  
}
```

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, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 205) }
```

Border

The CSS property to change the border of an element to XYZ 48.1447, 76.6316, 70.0115 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, 255, 205) }
```


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

```
.border{ border-color:rgb(51, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1447, 76.6316, 70.0115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 205) }
```

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

```
.background{ background-color: rgb(51, 255,  
205) }
```

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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