

Converting Colors

XYZ(48.7950, 76.9885, 69.0633)

Have a look what the booklet for
XYZ(48.7950, 76.9885, 69.0633)
contains.

XYZ(48.7195, 76.9556, 68.7861)	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(48.7195, 76.9556,
68.7861)**

Conversions

Conversions Part 1

Format	Color
Hex	41FFCB
RGB	65, 255, 203
RGB Percent	25%, 100%, 80%
CMY	0.7451, 0.0000, 0.2039
CMYK	0.75, 0.00, 0.20, 0.00
HSL	164°, 100%, 63%
HSV	164°, 75%, 100%
XYZ	48.7195, 76.9556, 68.7861
YIQ	192.2620, -96.5480, -56.4520

Conversions

Conversions Part 2

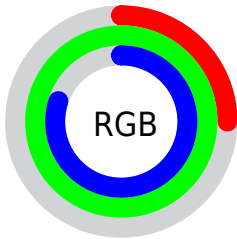
Format	Color
RYB	65, 175, 255
Decimal	4325323
CIELab	90.30, -58.04, 11.67
CIELCh	90, 59.204, 168.634
Yxy	76.9556, 0.2505, 0.3957
Android (android.graphics.Color)	4282515403 (0xFF41FFCB)
YUV	192.2620, 5.2938, -111.6088
Hunter-Lab	87.7243, -54.3840, 14.9168

Details

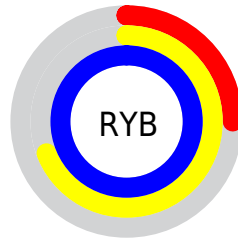
The XYZ color **48.7195, 76.9556, 68.7861** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **46.3421, 26.3261, 19.4707**, and the grayscale version is **50.2676, 52.8854, 57.5922**.

A 20% lighter version of the original color is **64.4575, 84.2290, 107.4683**, and **25.3911, 42.1024, 35.2221** is the 20% darker color. If you saturate the color by 10%, you get **46.5826, 75.9479, 64.4427**, and if you desaturate by 10%, it is **51.6567, 78.3715, 73.3651**.

Distribution



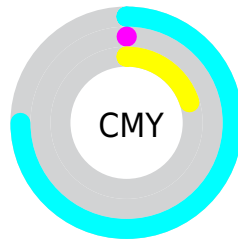
- Red (25%)
- Green (100%)
- Blue (80%)



- Red (25%)
- Yellow (69%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (75%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7195, 76.9556, 68.7861 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 48.7195, 76.9556, 68.7861 by changing the saturation by 10% instead.


 48.7195, 76.9556,
68.7861


 48.7195, 76.9556,
68.7861


372.1723,
484.6126, 474.9497


 34.6106, 57.2164,
50.0669


 87.4779, 129.0768,
119.1408

 23.5282, 41.1790,
35.0950


 112.8582,
162.2276, 151.6134

 15.1069, 28.4590,
23.4519


 142.7264,
200.6178, 189.5075

 8.9812, 18.6720,
14.7191

 177.4477,
244.6317, 233.2416

 4.7859, 11.4335,
8.4781

217.3876,
294.6538, 283.2344

 2.1557, 6.3592,
4.3102

262.9115,

 0.7192, 3.0647,

351.0683, 339.9043

1.7970

314.3846,
414.2598, 403.6699

■ 0.0000, 1.1656,
0.4260

■ 0.0000, 0.0333,
0.0000

■ 48.7195, 76.9556,
68.7861

■ 48.7195, 76.9556,
68.7861

■ 46.5826, 75.9479,
64.4427

■ 51.6567, 78.3715,
73.3651

■ 45.1314, 75.2895,
60.3230

■ 55.4829, 80.2413,
78.1824

■ 44.5392, 75.0317,
58.1505

■ 60.2776, 82.6060,
83.2453

■ 66.1105, 85.5014,
88.5597

73.0449, 88.9600,
94.1308

81.1387, 93.0118,
99.9637

90.4458, 97.6845,
106.0631

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.



53.8617, 76.9556, 40.7693



48.7195, 76.9556, 68.7861



49.4325, 76.9556, 112.5074

Triad

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



48.7195, 76.9556, 68.7861



82.5827, 76.9556, 186.6914



93.5271, 76.9556, 36.4302

Complementary

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



48.7195, 76.9556, 68.7861



46.3421, 26.3261, 19.4707

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.



103.4345, 76.9556, 60.4317



48.7195, 76.9556, 68.7861



96.5533, 76.9556, 149.7256

Square

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



48.7195, 76.9556, 68.7861



67.6974, 76.9556, 191.2733



104.6110, 76.9556, 100.8345



78.8751, 76.9556, 26.7330

Rectangle

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



48.7195, 76.9556, 68.7861



53.1563, 76.9556, 145.4012



104.6110, 76.9556, 100.8345



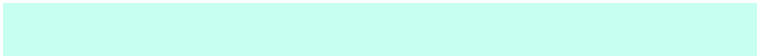
97.6027, 76.9556, 42.6314

Sweetspot

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



48.7203, 76.9560, 68.7875



74.9623, 89.9187, 95.5679



44.3002, 75.8124, 17.3008



15.6017, 19.0246, 20.1228



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.



48.7203, 76.9560, 68.7875



45.8533, 75.6128, 62.5641



44.2355, 56.3539, 103.1537



18.3303, 20.3916, 22.0421



23.3388, 39.2321, 30.7332



2.3185, 3.8383, 3.2348

Inverse Universe

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



46.3421, 26.3261, 19.4707



43.5088, 22.8338, 11.8235



47.3664, 31.9857, 8.6798



18.2136, 18.0687, 19.7419



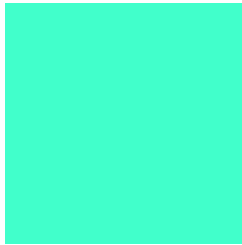
22.1764, 11.3598, 4.3132



2.2028, 1.1235, 0.6496

Previews

White Background



This preview shows how the XYZ color 48.7195, 76.9556, 68.7861 looks on a white background.

Color Contrast Check

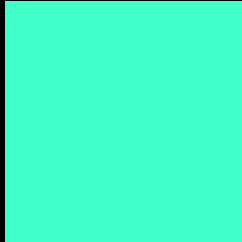
Large Text (above 18pt) WCAG AA × Fail

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 48.7195, 76.9556, 68.7861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

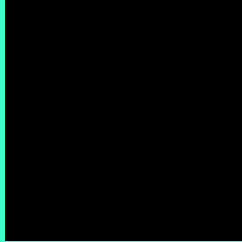
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

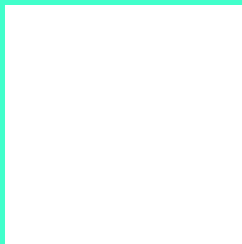
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.7195, 76.9556, 68.7861

Background



This preview shows how black text looks on a background with the XYZ color 48.7195, 76.9556, 68.7861.



This preview shows how white text looks on a background with the XYZ color 48.7195, 76.9556, 68.7861.

Color Blindness Simulation

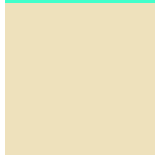
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



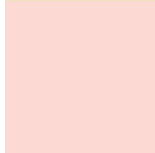
Original Color

48.7195, 76.9556, 68.7861



Protanopia

71.2622, 75.6584, 58.4246



Deuteranopia

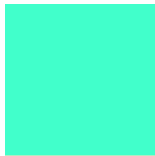
76.7156, 75.0243, 72.0658



Tritanopia

61.7878, 76.0242, 106.0253

Trichromacy



Original Color

48.7195, 76.9556, 68.7861



Protanomaly

57.3003, 72.9551, 61.5138



Deuteranomaly

59.7282, 71.8962, 70.4039



Tritanomaly

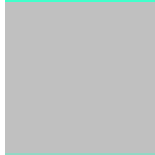
55.4005, 75.2829, 90.9680

Monochromacy



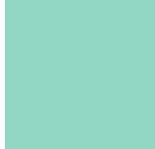
Original Color

48.7195, 76.9556, 68.7861



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

46.1183, 58.6974, 61.1236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7195, 76.9556, 68.7861 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(65, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(65, 255, 203)  
}
```

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(65, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 255, 203) }
```

Border

The CSS property to change the border of an element to XYZ 48.7195, 76.9556, 68.7861 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(65, 255, 203) }
```


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

```
.border{ border-color:rgb(65, 255, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 255, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(65, 255,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7195, 76.9556, 68.7861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 255, 203) }
```

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

```
.background{ background-color: rgb(65, 255,  
203) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor