

Converting Colors

XYZ(48.7660, 76.9518, 70.0405)

Have a look what the booklet for
XYZ(48.7660, 76.9518, 70.0405)
contains.

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Color

**XYZ(48.7661, 76.9519,
70.0406)**

Conversions

Conversions Part 1

Format	Color
Hex	3EFFCD
RGB	62, 255, 205
RGB Percent	24%, 100%, 80%
CMY	0.7568, 0.0000, 0.1961
CMYK	0.76, 0.00, 0.20, 0.00
HSL	164°, 100%, 62%
HSV	164°, 76%, 100%
XYZ	48.7661, 76.9519, 70.0406
YIQ	191.5930, -98.9780, -56.4660

Conversions

Conversions Part 2

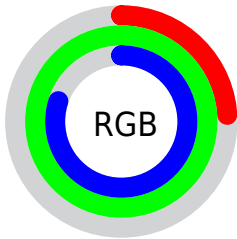
Format	Color
RYB	62, 173, 255
Decimal	4128717
CIELab	90.30, -57.91, 10.63
CIELCh	90, 58.875, 169.600
Yxy	76.9519, 0.2491, 0.3931
Android (android.graphics.Color)	4282318797 (0xFF3EFFCD)
YUV	191.5930, 6.6097, -113.6531
Hunter-Lab	87.7222, -54.2831, 14.0663

Details

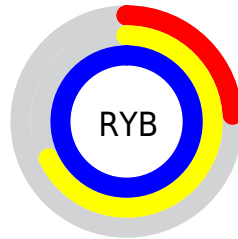
The XYZ color **48.7661, 76.9519, 70.0406** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **45.8882, 25.8764, 17.9076**, and the grayscale version is **49.8711, 52.4682, 57.1379**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **25.5522, 42.1669, 36.0704** is the 20% darker color. If you saturate the color by 10%, you get **46.7443, 75.9998, 65.8716**, and if you desaturate by 10%, it is **51.5726, 78.3046, 74.4248**.

Distribution



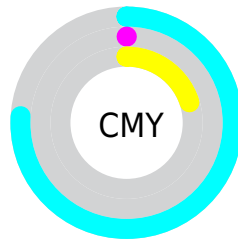
- Red (24%)
- Green (100%)
- Blue (80%)



- Red (24%)
- Yellow (68%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (76%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7661, 76.9519, 70.0406 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 48.7661, 76.9519, 70.0406 by changing the saturation by 10% instead.

 48.7661, 76.9519,
70.0406


 48.7661, 76.9519,
70.0406


372.3530,
484.6000, 479.4855


 34.6477, 57.2134,
51.0826


 87.5468, 129.0716,
120.9483


 23.5569, 41.1766,
35.8972


 112.9398,
162.2216, 153.7351

 15.1282, 28.4571,
24.0657


 142.8218,
200.6108, 191.9686

 8.9963, 18.6705,
15.1697

 177.5580,
244.6237, 236.0674

 4.7959, 11.4324,
8.7907

217.5139,
294.6447, 286.4499

 2.1615, 6.3585,
4.5099

263.0548,

 0.7223, 3.0643,

351.0582, 343.5347

1.9091

314.5461,
414.2485, 407.7404

■ 0.0000, 1.1654,
0.4985

■ 0.0000, 0.0332,
0.0000

■ 48.7661, 76.9519,
70.0406

■ 48.7661, 76.9519,
70.0406

■ 46.7443, 75.9998,
65.8716

■ 51.5726, 78.3046,
74.4248


■ 45.3893, 75.3877,
61.9060


■ 55.2544, 80.1046,
79.0266


■ 44.9385, 75.1914,
60.2533


■ 59.8920, 82.3934,
83.8531

■ 65.5562, 85.2073,
88.9096

 72.3106, 88.5792,
94.2011

 80.2138, 92.5392,
99.7323

 89.3200, 97.1152,
105.5078

 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.



53.7015, 76.9519, 41.5936



48.7661, 76.9519, 70.0406



49.6650, 76.9519, 113.8990

Triad

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



48.7661, 76.9519, 70.0406



83.0122, 76.9519, 185.1986



92.9779, 76.9519, 36.1115

Complementary

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



48.7661, 76.9519, 70.0406



45.8882, 25.8764, 17.9076

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.



103.0464, 76.9519, 59.5142



48.7661, 76.9519, 70.0406



96.7816, 76.9519, 147.7731

Square

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



48.7661, 76.9519, 70.0406



68.1682, 76.9519, 190.9457



104.5246, 76.9519, 99.2249



78.3489, 76.9519, 26.8176

Rectangle

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



48.7661, 76.9519, 70.0406



53.4961, 76.9519, 146.5175



104.5246, 76.9519, 99.2249



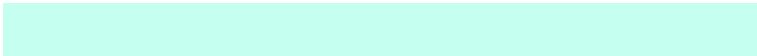
97.0866, 76.9519, 42.1368

Sweetspot

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



48.7669, 76.9523, 70.0420



74.3154, 89.5825, 95.6610



43.5010, 75.4102, 16.8218



15.3328, 18.8872, 20.0554



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.



48.7669, 76.9523, 70.0420



45.9493, 75.6364, 63.7379



43.0762, 54.3224, 102.8227



18.3421, 20.3964, 22.1043



23.5456, 39.3148, 31.8219



2.3372, 3.8458, 3.3333

Inverse Universe

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



45.8882, 25.8764, 17.9076



43.1093, 22.4964, 10.2673



47.3718, 32.1319, 8.2642



18.2025, 18.0643, 19.6835



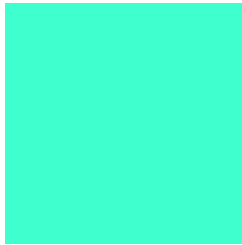
22.1148, 11.3352, 3.9890



2.1956, 1.1206, 0.6112

Previews

White Background



This preview shows how the XYZ color 48.7661, 76.9519, 70.0406 looks on a white background.

Color Contrast Check

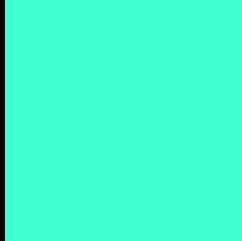
Large Text (above 18pt) WCAG AA × Fail

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 48.7661, 76.9519, 70.0406 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 48.7661, 76.9519, 70.0406

Background



This preview shows how black text looks on a background with the XYZ color 48.7661, 76.9519, 70.0406.

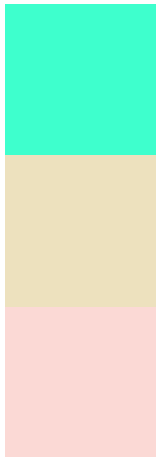


This preview shows how white text looks on a background with the XYZ color 48.7661, 76.9519,

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

48.7661, 76.9519, 70.0406

Protanopia

71.1445, 75.5727, 59.5525

Deuteranopia

76.6068, 74.9390, 73.3779



Tritanopia

61.7878, 76.0242, 106.0253

Trichromacy



Original Color

48.7661, 76.9519, 70.0406



Protanomaly

57.0794, 72.8153, 62.6761



Deuteranomaly

59.5002, 71.7501, 71.6859



Tritanomaly

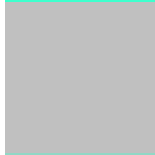
55.4097, 75.2708, 91.7291

Monochromacy



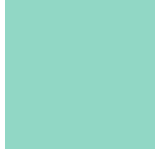
Original Color

48.7661, 76.9519, 70.0406



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

46.0555, 58.6518, 61.7169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7661, 76.9519, 70.0406 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(62, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(62, 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(62, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 255, 205) }
```

Border

The CSS property to change the border of an element to XYZ 48.7661, 76.9519, 70.0406 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(62, 255, 205) }
```


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

```
.border{ border-color:rgb(62, 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(62, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(62, 255,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7661, 76.9519, 70.0406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 255, 205) }
```

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

```
.background{ background-color: rgb(62, 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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