

Converting Colors

XYZ(48.2779, 76.0580, 78.6895)

Have a look what the booklet for
XYZ(48.2779, 76.0580, 78.6895)
contains.

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Color

**XYZ(48.2219, 76.0101,
78.4595)**

Conversions

Conversions Part 1

Format	Color
Hex	0AFEDA
RGB	10, 254, 218
RGB Percent	4%, 100%, 85%
CMY	0.9606, 0.0039, 0.1451
CMYK	0.96, 0.00, 0.14, 0.00
HSL	171°, 99%, 52%
HSV	171°, 96%, 100%
XYZ	48.2219, 76.0101, 78.4595
YIQ	176.9400, -133.8680, -62.9240

Conversions

Conversions Part 2

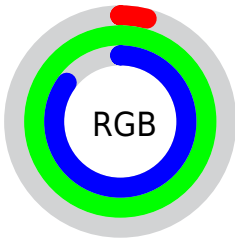
Format	Color
RYB	10, 142, 254
Decimal	720602
CIELab	89.86, -57.53, 3.22
CIELCh	90, 57.616, 176.797
Yxy	76.0101, 0.2379, 0.3750
Android (android.graphics.Color)	4278910682 (0xFF0AFEDA)
YUV	176.9400, 20.2426, -146.4064
Hunter-Lab	87.1838, -53.8421, 7.6716

Details

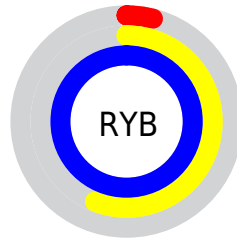
The XYZ color **48.2219, 76.0101, 78.4595** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **41.4779, 21.4876, 4.5522**, and the grayscale version is **41.7157, 43.8882, 47.7942**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **26.3508, 42.1242, 41.3923** is the 20% darker color. If you saturate the color by 10%, you get **47.9048, 75.8707, 77.4369**, and if you desaturate by 10%, it is **49.3032, 76.5120, 81.1018**.

Distribution



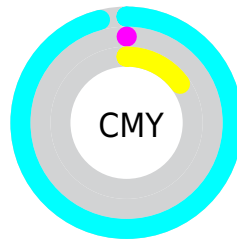
- Red (4%)
- Green (100%)
- Blue (85%)



- Red (4%)
- Yellow (56%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (96%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2219, 76.0101, 78.4595 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 48.2219, 76.0101, 78.4595 by changing the saturation by 10% instead.


 48.2219, 76.0101,
78.4595


 48.2219, 76.0101,
78.4595


370.2390,
481.3823, 509.2951


 34.2146, 56.4408,
57.9328


 86.7424, 127.7412,
132.9894

 23.2222, 40.5564,
41.3403


 111.9863,
160.6717, 167.8298

 14.8793, 27.9727,
28.2634


 141.7065,
198.8248, 208.2784

 8.8205, 18.3051,
18.2835

 176.2684,
242.5849, 254.7539

 4.6804, 11.1692,
10.9822

216.0372,
292.3363, 307.6748

 2.0938, 6.1808,
5.9408

261.3783,

 0.6859, 2.9553,

348.4633, 367.4596

2.7409

312.6571,
411.3506, 434.5269

■ 0.0000, 1.1084,
0.9639

■ 0.0000, 0.0000,
0.0000

■ 48.2219, 76.0101,
78.4595

■ 48.2219, 76.0101,
78.4595

■ 47.9048, 75.8707,
77.4369

■ 49.3032, 76.5120,
81.1018

■ 51.0176, 77.3372,
83.8304

■ 53.4821, 78.5478,
86.6527

■ 56.7892, 80.1914,
89.5735

■ 61.0180, 82.3089,
92.5968

■ 66.2384, 84.9363,
95.7263

■ 72.5135, 88.1060,
98.9652

■ 79.9010, 91.8479,
102.3167

■ 88.4545, 96.1895,
105.7835

Harmonies

Analogous

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



51.6813, 76.0101, 46.8350



48.2219, 76.0101, 78.4595



50.4678, 76.0101, 123.3620

Triad

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



48.2219, 76.0101, 78.4595



85.2983, 76.0101, 174.2824



88.2913, 76.0101, 32.9796

Complementary

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



48.2219, 76.0101, 78.4595



41.4779, 21.4876, 4.5522

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.



99.5290, 76.0101, 52.2186



48.2219, 76.0101, 78.4595



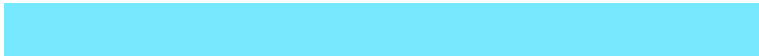
97.6477, 76.0101, 133.5269

Square

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



48.2219, 76.0101, 78.4595



70.7269, 76.0101, 188.2670



103.1578, 76.0101, 87.2191



73.7853, 76.0101, 26.5818

Rectangle

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



48.2219, 76.0101, 78.4595



55.0836, 76.0101, 154.0447



103.1578, 76.0101, 87.2191



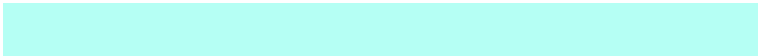
92.6458, 76.0101, 37.7697

Sweetspot

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



48.2241, 76.0130, 78.4613



71.1700, 87.8867, 98.8695



36.6543, 71.5041, 12.1586



14.6563, 18.5199, 20.8638



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.



48.2241, 76.0130, 78.4613



48.3322, 76.5489, 78.1241



32.1337, 35.4566, 98.9193



18.4328, 20.4327, 22.5822



25.2985, 40.0160, 41.0526



2.4932, 3.9082, 4.1552

Inverse Universe

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



41.4779, 21.4876, 4.5522



41.5840, 21.3976, 3.7413



45.0614, 29.3572, 3.5803



18.1186, 18.0307, 19.2416



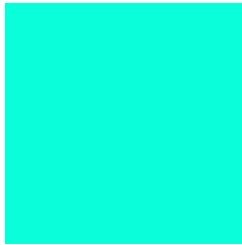
21.7611, 11.1937, 2.1264



2.1497, 1.1022, 0.3696

Previews

White Background



This preview shows how the XYZ color 48.2219, 76.0101, 78.4595 looks on a white background.

Color Contrast Check

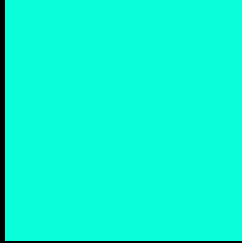
Large Text (above 18pt) WCAG AA × Fail

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 48.2219, 76.0101, 78.4595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

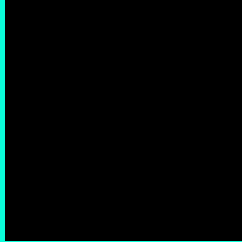
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2219, 76.0101, 78.4595

Background



This preview shows how black text looks on a background with the XYZ color 48.2219, 76.0101, 78.4595.



This preview shows how white text looks on a background with the XYZ color 48.2219, 76.0101,

Color Blindness Simulation

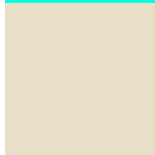
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



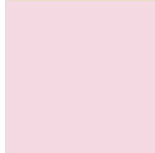
Original Color

48.2219, 76.0101, 78.4595



Protanopia

70.5346, 74.3160, 65.8852



Deuteranopia

75.8485, 74.3498, 82.3048



Tritanopia

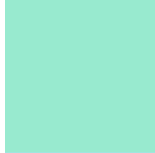
60.0253, 75.1156, 105.9428

Trichromacy



Original Color

48.2219, 76.0101, 78.4595



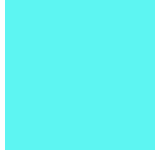
Protanomaly

53.6342, 70.0260, 69.7210



Deuteranomaly

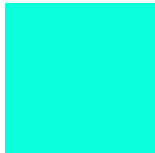
55.9142, 69.2923, 80.2398



Tritanomaly

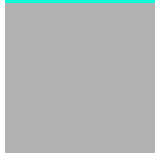
53.1936, 74.0428, 95.4925

Monochromacy



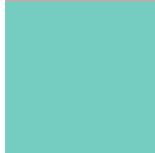
Original Color

48.2219, 76.0101, 78.4595



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.5482, 51.1814, 57.7165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2219, 76.0101, 78.4595 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(10, 254, 218)` looks like.

```
.text, #text, p{  
    color:rgb(10, 254, 218)  
}
```

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(10, 254, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 254, 218) }
```

Border

The CSS property to change the border of an element to XYZ 48.2219, 76.0101, 78.4595 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(10, 254, 218) }
```


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

```
.border{ border-color:rgb(10, 254, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 254, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 254, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 254, 218);  
box-shadow:4px 4px 4px 4px rgb(10, 254,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2219, 76.0101, 78.4595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 254, 218) }
```

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

```
.background{ background-color: rgb(10, 254,  
218) }
```

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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