

Converting Colors

XYZ(48.5164, 76.6372, 78.4277)

Have a look what the booklet for
XYZ(48.5164, 76.6372, 78.4277)
contains.

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Color

**XYZ(48.5401, 76.6465,
78.5656)**

Conversions

Conversions Part 1

Format	Color
Hex	0AFFDA
RGB	10, 255, 218
RGB Percent	4%, 100%, 85%
CMY	0.9606, 0.0000, 0.1451
CMYK	0.96, 0.00, 0.15, 0.00
HSL	171°, 100%, 52%
HSV	171°, 96%, 100%
XYZ	48.5401, 76.6465, 78.5656
YIQ	177.5270, -134.1430, -63.4470

Conversions

Conversions Part 2

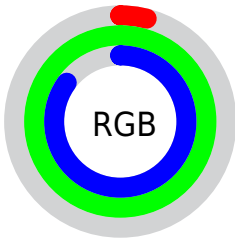
Format	Color
RYB	10, 143, 255
Decimal	720858
CIELab	90.16, -57.92, 3.65
CIELCh	90, 58.035, 176.397
Yxy	76.6465, 0.2382, 0.3762
Android (android.graphics.Color)	4278910938 (0xFF0AFFDA)
YUV	177.5270, 19.9532, -146.9212
Hunter-Lab	87.5480, -54.2414, 8.0767

Details

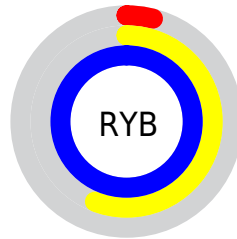
The XYZ color **48.5401, 76.6465, 78.5656** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **41.8633, 21.6840, 4.6741**, and the grayscale version is **42.0246, 44.2131, 48.1481**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **26.5771, 42.5768, 41.4677** is the 20% darker color. If you saturate the color by 10%, you get **48.2172, 76.5029, 77.5188**, and if you desaturate by 10%, it is **49.6374, 77.1532, 81.2804**.

Distribution



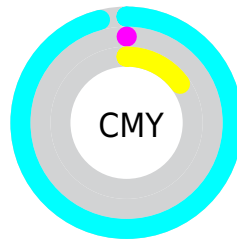
- Red (4%)
- Green (100%)
- Blue (85%)



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



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





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5401, 76.6465, 78.5656 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 48.5401, 76.6465, 78.5656 by changing the saturation by 10% instead.

 48.5401, 76.6465,
78.5656


 48.5401, 76.6465,
78.5656


371.4760,
483.5579, 509.6643


 34.4678, 56.9628,
58.0195


 87.2129, 128.6404,
133.1403


 23.4178, 40.9754,
41.4095


 112.5440,
161.7193, 168.0059


 15.0247, 28.2998,
28.3171


 142.3589,
200.0321, 208.4818

 8.9232, 18.5518,
18.3237

 177.0228,
243.9632, 254.9865

 4.7478, 11.3469,
11.0108

 216.9012,
293.8969, 307.9386

 2.1333, 6.3007,
5.9598

262.3592,

 0.7072, 3.0287,

350.2177, 367.7565

2.7523

313.7624,
413.3099, 434.8589

■ 0.0000, 1.1468,
0.9696

■ 0.0000, 0.0176,
0.0000

■ 48.5401, 76.6465,
78.5656

■ 48.5401, 76.6465,
78.5656


■ 48.2172, 76.5029,
77.5188


■ 49.6374, 77.1532,
81.2804


■ 51.3750, 77.9887,
84.0853


■ 53.8700, 79.2133,
86.9877


■ 57.2157, 80.8750,
89.9922

 61.4921, 83.0152,
93.1030

 66.7698, 85.6701,
96.3238

 73.1123, 88.8725,
99.6580

 80.5782, 92.6527,
103.1086

 89.2214, 97.0384,
106.6787

Harmonies

Analogous

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



52.1162, 76.6465, 46.7798



48.5401, 76.6465, 78.5656



50.7354, 76.6465, 123.9583

Triad

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



48.5401, 76.6465, 78.5656



85.8818, 76.6465, 176.6698



89.2926, 76.6465, 33.2602

Complementary

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



48.5401, 76.6465, 78.5656



41.8633, 21.6840, 4.6741

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.



100.6063, 76.6465, 52.9026



48.5401, 76.6465, 78.5656



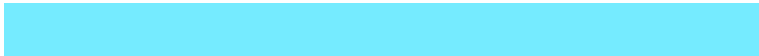
98.4618, 76.6465, 135.5491

Square

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



48.5401, 76.6465, 78.5656



71.1223, 76.6465, 190.3990



104.1637, 76.6465, 88.5432



74.6058, 76.6465, 26.6542

Rectangle

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



48.5401, 76.6465, 78.5656



55.3572, 76.6465, 155.1501



104.1637, 76.6465, 88.5432



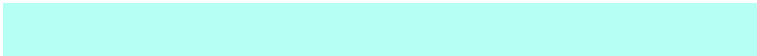
93.6874, 76.6465, 38.1583

Sweetspot

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



48.5410, 76.6470, 78.5670



71.1311, 87.8711, 98.6646



37.1743, 72.2427, 12.2737



14.6468, 18.5161, 20.8139



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.



48.5410, 76.6470, 78.5670



48.2172, 76.5029, 77.5188



33.1871, 37.3073, 100.0596



18.4300, 20.4315, 22.5672



25.2392, 39.9923, 40.7405



2.4880, 3.9061, 4.1277

Inverse Universe

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



41.8633, 21.6840, 4.6741



41.5983, 21.4033, 3.8165



45.0967, 28.8852, 3.4873



18.1212, 18.0318, 19.2553



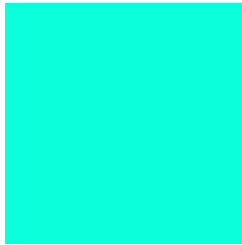
21.7692, 11.1970, 2.1690



2.1509, 1.1027, 0.3760

Previews

White Background



This preview shows how the XYZ color 48.5401, 76.6465, 78.5656 looks on a white background.

Color Contrast Check

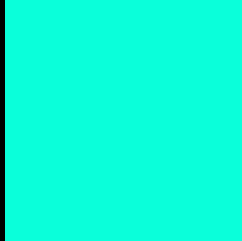
Large Text (above 18pt) WCAG AA × Fail

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 48.5401, 76.6465, 78.5656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

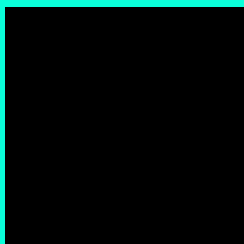
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

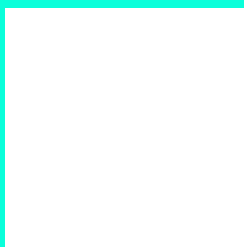
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5401, 76.6465, 78.5656

Background



This preview shows how black text looks on a background with the XYZ color 48.5401, 76.6465, 78.5656.

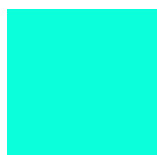


This preview shows how white text looks on a background with the XYZ color 48.5401, 76.6465,

Color Blindness Simulation

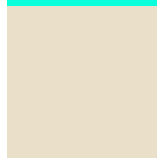
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



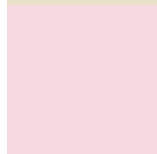
Original Color

48.5401, 76.6465, 78.5656



Protanopia

71.1300, 75.0208, 65.9898



Deuteranopia

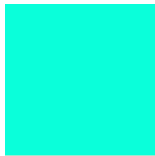
76.4551, 75.0463, 82.4073



Tritanopia

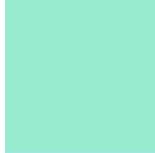
61.0069, 76.0599, 106.0734

Trichromacy



Original Color

48.5401, 76.6465, 78.5656



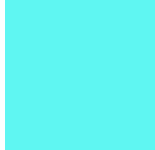
Protanomaly

54.1077, 70.6940, 69.8250



Deuteranomaly

56.3924, 69.9531, 80.3421



Tritanomaly

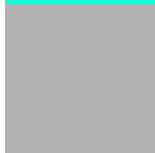
53.7021, 74.7552, 95.6032

Monochromacy



Original Color

48.5401, 76.6465, 78.5656



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

39.0331, 51.7748, 58.3883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5401, 76.6465, 78.5656 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, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(10, 255, 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, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 48.5401, 76.6465, 78.5656 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, 255, 218) }
```


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

```
.border{ border-color:rgb(10, 255, 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, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(10, 255,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5401, 76.6465, 78.5656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 255, 218) }
```

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

```
.background{ background-color: rgb(10, 255,  
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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