

Converting Colors

XYZ(21.8906, 32.1540, 5.0533)

Have a look what the booklet for
XYZ(21.8906, 32.1540, 5.0533)
contains.

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Color

**XYZ(21.8878, 32.0702,
5.0366)**

Conversions

Conversions Part 1

Format	Color
Hex	79A800
RGB	121, 168, 0
RGB Percent	47%, 66%, 0%
CMY	0.5255, 0.3412, 0.9999
CMYK	0.28, 0.00, 1.00, 0.34
HSL	77°, 100%, 33%
HSV	77°, 100%, 66%
XYZ	21.8878, 32.0702, 5.0366
YIQ	134.7950, 25.9160, -62.2120

Conversions

Conversions Part 2

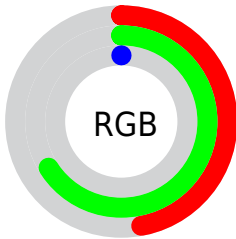
Format	Color
RYB	0, 168, 47
Decimal	7972864
CIELab	63.40, -35.77, 65.10
CIELCh	63, 74.285, 118.788
Yxy	32.0702, 0.3710, 0.5436
Android (android.graphics.Color)	4286162944 (0xFF79A800)
YUV	134.7950, -66.4539, -12.0982
Hunter-Lab	56.6306, -30.1129, 34.3683

Details

The XYZ color **21.8878, 32.0702, 5.0366** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.2417, 3.4325, 37.2758**, and the grayscale version is **23.1864, 24.3939, 26.5649**.

A 20% lighter version of the original color is **46.0178, 62.7483, 16.3429**, and **8.4254, 13.6146, 2.1838** is the 20% darker color. If you saturate the color by 10%, you get **21.8878, 32.0712, 5.0368**, and if you desaturate by 10%, it is **22.6632, 32.4595, 5.5937**.

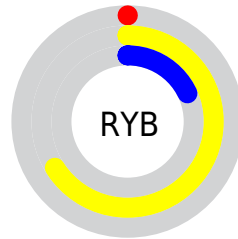
Distribution



Red (47%)

Green (66%)

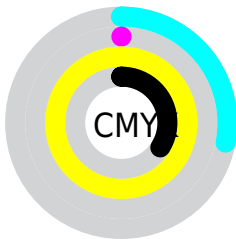
Blue (0%)



Red (0%)

Yellow (66%)

Blue (18%)

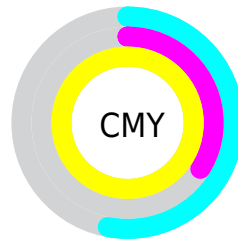


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (53%)

Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8878, 32.0702, 5.0366 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 21.8878, 32.0702, 5.0366 by changing the saturation by 10% instead.

■ 21.8878, 32.0702,
5.0366

■ 21.8878, 32.0702,
5.0366

254.6032,
311.4389, 159.1314

■ 13.8906, 21.4151,
2.2096

■ 46.0407, 62.9211,
16.3376

■ 8.1258, 13.4278,
0.6799

■ 62.9272, 83.8858,
25.6486

■ 4.2280, 7.7238,
0.0000

■ 83.5074, 109.0557,
37.9581

■ 1.8319, 3.9187,
0.0000

■ 108.1468,
138.8154, 53.6846

■ 0.5368, 1.6282,
0.0000

■ 137.2108,
173.5491, 73.2467

■ 0.0000, 0.3765,
0.0000


■ 171.0646,


■ 0.0000, 0.0000,

213.6414, 97.0628


0.0000


 210.0736,
259.4765, 125.5515


 21.8878, 32.0702,
5.0366


 21.8878, 32.0702,
5.0366


 21.8878, 32.0712,
5.0368

 22.6632, 32.4595,
5.5937

 23.5542, 32.8976,
6.5931

 24.5963, 33.4000,
8.2156

 25.8051, 33.9729,
10.5420

 27.1942, 34.6218,
13.6408

■ 28.7753, 35.3516,
17.5725

■ 30.5593, 36.1664,
22.3915

■ 32.5560, 37.0704,
28.1476

■ 34.7745, 38.0673,
34.8870

Harmonies

Analogous

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



30.9037, 32.0702, 3.3436



21.8878, 32.0702, 5.0366



16.4627, 32.0702, 12.9686

Triad

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



21.8878, 32.0702, 5.0366



21.3097, 32.0702, 109.5870



54.9433, 32.0702, 36.1356

Complementary

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



21.8878, 32.0702, 5.0366



8.2417, 3.4325, 37.2758

Split Complementary

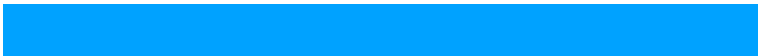
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.8032, 32.0702, 73.4360



21.8878, 32.0702, 5.0366



30.0637, 32.0702, 128.1570

Square

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



21.8878, 32.0702, 5.0366



16.1857, 32.0702, 70.0692



41.0738, 32.0702, 112.1854



51.3959, 32.0702, 14.0750

Rectangle

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



21.8878, 32.0702, 5.0366



14.8633, 32.0702, 24.9911



41.0738, 32.0702, 112.1854



54.3906, 32.0702, 47.1794

Sweetspot

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



21.8885, 32.0716, 5.0373



55.2601, 65.5390, 40.0961



17.0806, 10.1879, 1.0667



11.7518, 14.1513, 7.9356



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.8885, 32.0716, 5.0373



39.4982, 58.0825, 9.1293



14.8483, 28.4422, 4.7078



7.9392, 8.6668, 8.0437



16.5796, 24.2444, 3.8058



0.4493, 0.6135, 0.0947

Inverse Universe

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



8.2417, 3.4325, 37.2758



14.7726, 6.1339, 67.6305



16.0924, 7.4797, 37.6432



7.3216, 7.3984, 9.4605



6.2672, 2.6143, 28.1498



0.2013, 0.0888, 0.6872

Previews

White Background



This preview shows how the XYZ color 21.8878, 32.0702, 5.0366 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 21.8878, 32.0702, 5.0366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

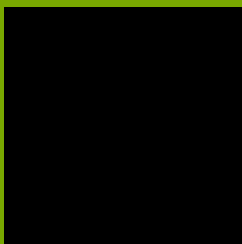
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.8878, 32.0702, 5.0366

Background



This preview shows how black text looks on a background with the XYZ color 21.8878, 32.0702, 5.0366.



This preview shows how white text looks on a background with the XYZ color 21.8878, 32.0702,

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

21.8878, 32.0702, 5.0366

Protanopia

28.6248, 31.6667, 4.6036

Deuteranopia

32.3784, 31.6925, 5.7772



Tritanopia

29.3664, 31.9599, 42.1572

Trichromacy



Original Color

21.8878, 32.0702, 5.0366

Protanomaly

25.5533, 31.3237, 4.6993

Deuteranomaly

27.4538, 31.0485, 5.2078

Tritanomaly

24.6377, 31.0496, 18.8820

Monochromacy



Original Color

21.8878, 32.0702, 5.0366

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.3194, 26.2851, 12.7540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8878, 32.0702, 5.0366 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(121, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(121, 168, 0)  
}
```

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(121, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 168, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.8878, 32.0702, 5.0366 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(121, 168, 0) }
```


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

```
.border{ border-color:rgb(121, 168, 0) }
```

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

Here you see how a box with a 4 pixel rgb(121, 168, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(121, 168,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8878, 32.0702, 5.0366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 168, 0) }
```

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

```
.background{ background-color: rgb(121,  
168, 0) }
```

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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