

Converting Colors

XYZ(12.2083, 17.6560, 2.7645)

Have a look what the booklet for
XYZ(12.2083, 17.6560, 2.7645)
contains.

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Color

**XYZ(12.2334, 17.7655,
2.7843)**

Conversions

Conversions Part 1

Format	Color
Hex	5D8000
RGB	93, 128, 0
RGB Percent	36%, 50%, 0%
CMY	0.6353, 0.4980, 1.0000
CMYK	0.27, 0.00, 1.00, 0.50
HSL	76°, 100%, 25%
HSV	76°, 100%, 50%
XYZ	12.2334, 17.7655, 2.7843
YIQ	102.9430, 20.2280, -47.2280

Conversions

Conversions Part 2

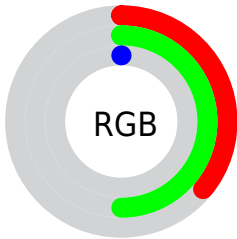
Format	Color
RYB	0, 128, 35
Decimal	6127616
CIELab	49.21, -28.63, 53.51
CIELCh	49, 60.687, 118.150
Yxy	17.7655, 0.3732, 0.5419
Android (android.graphics.Color)	4284317696 (0xFF5D8000)
YUV	102.9430, -50.7509, -8.7200
Hunter-Lab	42.1491, -21.9530, 25.5878

Details

The XYZ color **12.2334, 17.7655, 2.7843** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.5901, 1.9163, 20.5511**, and the grayscale version is **13.0040, 13.6812, 14.8988**.

A 20% lighter version of the original color is **29.5106, 39.6324, 11.0955**, and **3.7104, 6.0634, 0.9748** is the 20% darker color. If you saturate the color by 10%, you get **12.2335, 17.7662, 2.7844**, and if you desaturate by 10%, it is **12.6677, 17.9817, 3.1775**.

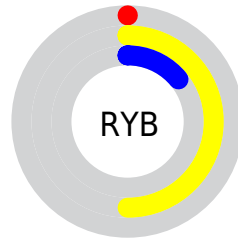
Distribution



Red (36%)

Green (50%)

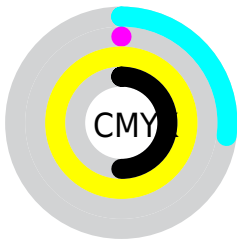
Blue (0%)



Red (0%)

Yellow (50%)

Blue (14%)

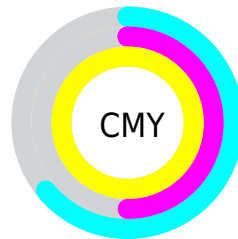


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (64%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2334, 17.7655, 2.7843 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 12.2334, 17.7655, 2.7843 by changing the saturation by 10% instead.

■ 12.2334, 17.7655,
2.7843

■ 12.2334, 17.7655,
2.7843

199.6829,
239.5459, 133.5641

■ 6.9762, 10.7818,
0.9856

■ 29.5327, 39.6373,
11.0914

■ 3.4934, 5.9203,
0.0000

■ 42.3054, 55.2942,
18.4368

■ 1.4197, 2.7967,
0.0000

■ 58.3140, 74.6109,
28.4683

■ 0.2702, 1.0265,
0.0000


■ 77.9239, 97.9719,
41.6042


■ 0.0000, 0.0000,
0.0000


■ 101.5004,
125.7615, 58.2632


■ 129.4088,


158.3641, 78.8639


 162.0145,
196.1641, 103.8246


 12.2334, 17.7655,
2.7843


 12.2334, 17.7655,
2.7843


 12.2335, 17.7662,
2.7844

 12.6677, 17.9817,
3.1775

 13.1573, 18.2213,
3.7781

 13.7273, 18.4950,
4.7149

 14.3854, 18.8059,
6.0279

 15.1384, 19.1567,
7.7516

■ 15.9922, 19.5499,
9.9166

■ 16.9524, 19.9876,
12.5506

■ 18.0240, 20.4718,
15.6788

■ 19.2115, 21.0046,
19.3250

Harmonies

Analogous

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



17.2412, 17.7655, 1.8891



12.2334, 17.7655, 2.7843



9.1949, 17.7655, 7.0754

Triad

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



12.2334, 17.7655, 2.7843



11.7466, 17.7655, 60.0143



30.3457, 17.7655, 20.3727

Complementary

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



12.2334, 17.7655, 2.7843



4.5901, 1.9163, 20.5511

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.



27.9840, 17.7655, 41.0282



12.2334, 17.7655, 2.7843



16.5349, 17.7655, 70.5777

Square

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



12.2334, 17.7655, 2.7843



8.9614, 17.7655, 38.2038



22.5889, 17.7655, 62.1915



28.4814, 17.7655, 8.0097

Rectangle

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



12.2334, 17.7655, 2.7843



8.2840, 17.7655, 13.5978



22.5889, 17.7655, 62.1915



30.0109, 17.7655, 26.5154

Sweetspot

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



12.2338, 17.7663, 2.7847



29.7220, 35.1332, 21.7455



9.4786, 5.7415, 0.6089



6.8143, 8.1599, 4.6882



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.2338, 17.7663, 2.7847



21.3952, 31.2049, 4.8955



8.2513, 15.7133, 2.5983



4.5543, 4.9622, 4.6379



12.1312, 17.6162, 2.7609



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.5901, 1.9163, 20.5511



7.9567, 3.3094, 36.1757



8.9484, 4.1631, 20.7550



4.2107, 4.2642, 5.4144



4.5521, 1.9004, 20.3768



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.2334, 17.7655, 2.7843 looks on a white background.

Color Contrast Check

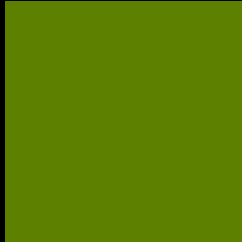
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 12.2334, 17.7655, 2.7843 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 × Fail

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

XYZ 12.2334, 17.7655, 2.7843

Background



This preview shows how black text looks on a background with the XYZ color 12.2334, 17.7655, 2.7843.



This preview shows how white text looks on a background with the XYZ color 12.2334, 17.7655,

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

12.2334, 17.7655, 2.7843

Protanopia

15.8770, 17.6281, 2.5658

Deuteranopia

17.8819, 17.6379, 3.3261



Tritanopia

16.3188, 17.7554, 22.9891

Trichromacy



Original Color

12.2334, 17.7655, 2.7843

Protanomaly

14.3086, 17.5263, 2.6288

Deuteranomaly

15.1999, 17.2691, 2.9841

Tritanomaly

13.8116, 17.2798, 10.3920

Monochromacy



Original Color

12.2334, 17.7655, 2.7843

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

11.9231, 14.6343, 7.3506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2334, 17.7655, 2.7843 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(93, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(93, 128, 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(93, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 128, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.2334, 17.7655, 2.7843 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(93, 128, 0) }
```


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

```
.border{ border-color:rgb(93, 128, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 128, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(93, 128, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.2334, 17.7655, 2.7843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 128, 0) }
```

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

```
.background{ background-color: rgb(93, 128,  
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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