

Converting Colors

XYZ(11.6249, 17.5786, 0.0000)

Have a look what the booklet for
XYZ(11.6249, 17.5786, 0.0000)
contains.

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Color

**XYZ(12.1328, 17.7137,
2.7796)**

Conversions

Conversions Part 1

Format	Color
Hex	5C8000
RGB	92, 128, 0
RGB Percent	36%, 50%, 0%
CMY	0.6392, 0.4980, 1.0000
CMYK	0.28, 0.00, 1.00, 0.50
HSL	77°, 100%, 25%
HSV	77°, 100%, 50%
XYZ	12.1328, 17.7137, 2.7796
YIQ	102.6440, 19.6320, -47.4400

Conversions

Conversions Part 2

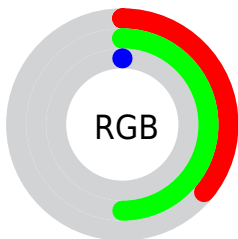
Format	Color
RYB	0, 128, 36
Decimal	6062080
CIELab	49.15, -29.05, 53.43
CIELCh	49, 60.820, 118.533
Yxy	17.7137, 0.3719, 0.5429
Android (android.graphics.Color)	4284252160 (0xFF5C8000)
YUV	102.6440, -50.6035, -9.3348
Hunter-Lab	42.0876, -22.1964, 25.5457

Details

The XYZ color **12.1328, 17.7137, 2.7796** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.6246, 1.9341, 20.5528**, and the grayscale version is **12.9244, 13.5975, 14.8076**.

A 20% lighter version of the original color is **29.3321, 39.5404, 11.0871**, and **3.5995, 5.8999, 0.9491** is the 20% darker color. If you saturate the color by 10%, you get **12.1329, 17.7144, 2.7797**, and if you desaturate by 10%, it is **12.5729, 17.9329, 3.1731**.

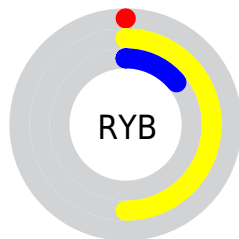
Distribution



Red (36%)

Green (50%)

Blue (0%)



Red (0%)

Yellow (50%)

Blue (14%)

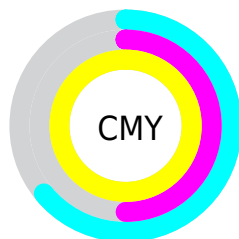


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (64%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1328, 17.7137, 2.7796 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 12.1328, 17.7137, 2.7796 by changing the saturation by 10% instead.

■ 12.1328, 17.7137,
2.7796

■ 12.1328, 17.7137,
2.7796

199.0345,
239.2523, 133.5020

■ 6.9070, 10.7446,
0.9832

■ 29.3515, 39.5489,
11.0796

■ 3.4498, 5.8954,
0.0000

■ 42.0751, 55.1838,
18.4202

■ 1.3959, 2.7816,
0.0000

■ 58.0288, 74.4761,
28.4461

■ 0.2533, 1.0188,
0.0000


■ 77.5778, 97.8101,
41.5757


■ 0.0000, 0.0000,
0.0000


■ 101.0875,
125.5704, 58.2275


■ 128.9233,


158.1413, 78.8202


 161.4505,
195.9071, 103.7722


 12.1328, 17.7137,
2.7796


 12.1328, 17.7137,
2.7796


 12.1329, 17.7144,
2.7797

 12.5729, 17.9329,
3.1731

 13.0692, 18.1760,
3.7740

 13.6468, 18.4536,
4.7111

 14.3135, 18.7689,
6.0246

 15.0760, 19.1246,
7.7487

■ 15.9403, 19.5232,
9.9142

■ 16.9120, 19.9668,
12.5487

■ 17.9960, 20.4575,
15.6776

■ 19.1971, 20.9972,
19.3244

Harmonies

Analogous

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



17.1180, 17.7137, 1.8615



12.1328, 17.7137, 2.7796



9.1230, 17.7137, 7.1195

Triad

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



12.1328, 17.7137, 2.7796



11.7470, 17.7137, 60.2524



30.3113, 17.7137, 20.1006

Complementary

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



12.1328, 17.7137, 2.7796



4.6246, 1.9341, 20.5528

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.



27.9972, 17.7137, 40.7005



12.1328, 17.7137, 2.7796



16.5578, 17.7137, 70.6204

Square

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



12.1328, 17.7137, 2.7796



8.9381, 17.7137, 38.4571



22.6211, 17.7137, 61.9831



28.3922, 17.7137, 7.8587

Rectangle

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



12.1328, 17.7137, 2.7796



8.2297, 17.7137, 13.7049



22.6211, 17.7137, 61.9831



29.9946, 17.7137, 26.2106

Sweetspot

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



12.1332, 17.7145, 2.7800



29.6492, 35.0957, 21.7421



9.4787, 5.7415, 0.6089



6.7955, 8.1503, 4.6873



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.



12.1332, 17.7145, 2.7800



21.2159, 31.1125, 4.8871



8.2514, 15.7133, 2.5983



4.5511, 4.9606, 4.6377



12.0314, 17.5648, 2.7562



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.6246, 1.9341, 20.5528



8.0150, 3.3394, 36.1784



8.9485, 4.1631, 20.7551



4.2137, 4.2658, 5.4146



4.5863, 1.9180, 20.3784



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.1328, 17.7137, 2.7796 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 12.1328, 17.7137, 2.7796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

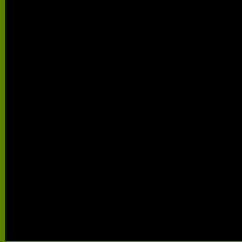
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.1328, 17.7137, 2.7796

Background



This preview shows how black text looks on a background with the XYZ color 12.1328, 17.7137, 2.7796.



This preview shows how white text looks on a background with the XYZ color 12.1328, 17.7137,

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

12.1328, 17.7137, 2.7796

Protanopia

15.8770, 17.6281, 2.5658

Deuteranopia

17.8819, 17.6379, 3.3261



Tritanopia

16.2020, 17.6952, 22.9837

Trichromacy



Original Color

12.1328, 17.7137, 2.7796

Protanomaly

14.1735, 17.4567, 2.6224

Deuteranomaly

15.1999, 17.2691, 2.9841

Tritanomaly

13.7003, 17.2225, 10.3868

Monochromacy



Original Color

12.1328, 17.7137, 2.7796

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 12.1328, 17.7137, 2.7796 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(92, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(92, 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(92, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 128, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.1328, 17.7137, 2.7796 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(92, 128, 0) }
```


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

```
.border{ border-color:rgb(92, 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(92, 128, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(92, 128, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.1328, 17.7137, 2.7796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 128, 0) }
```

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

```
.background{ background-color: rgb(92, 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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