

Converting Colors

XYZ(12.9080, 17.8068, 5.9571)

Have a look what the booklet for
XYZ(12.9080, 17.8068, 5.9571)
contains.

XYZ(12.9285, 17.8596, 6.0146)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.9285, 17.8596,
6.0146)**

Conversions

Conversions Part 1

Format	Color
Hex	5F7F34
RGB	95, 127, 52
RGB Percent	37%, 50%, 20%
CMY	0.6275, 0.5019, 0.7961
CMYK	0.25, 0.00, 0.59, 0.50
HSL	86°, 42%, 35%
HSV	86°, 59%, 50%
XYZ	12.9285, 17.8596, 6.0146
YIQ	108.8820, 5.0030, -30.1090

Conversions

Conversions Part 2

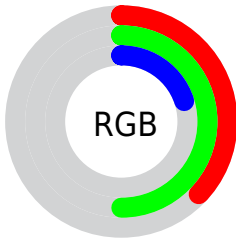
Format	Color
RYB	52, 127, 84
Decimal	6258484
CIELab	49.33, -24.43, 36.46
CIELCh	49, 43.890, 123.826
Yxy	17.8596, 0.3513, 0.4853
Android (android.graphics.Color)	4284448564 (0xFF5F7F34)
YUV	108.8820, -28.0428, -12.1745
Hunter-Lab	42.2606, -19.3488, 21.1442

Details

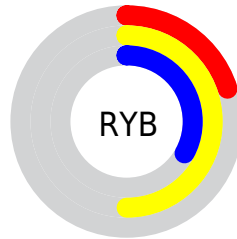
The XYZ color **12.9285, 17.8596, 6.0146** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **8.7157, 5.8736, 20.7541**, and the grayscale version is **14.5788, 15.3380, 16.7031**.

A 20% lighter version of the original color is **30.7028, 39.7851, 18.3730**, and **3.8121, 6.0089, 0.9876** is the 20% darker color. If you saturate the color by 10%, you get **12.1367, 17.4807, 4.6802**, and if you desaturate by 10%, it is **13.8373, 18.2910, 7.7571**.

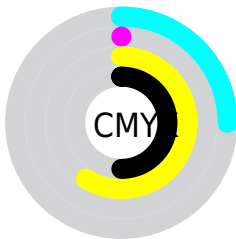
Distribution



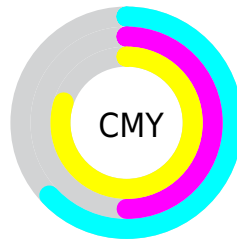
- Red (37%)
- Green (50%)
- Blue (20%)



- Red (20%)
- Yellow (50%)
- Blue (33%)



- Cyan (25%)
- Magenta (0%)
- Yellow (59%)
- Black (50%)



- Cyan (63%)
- Magenta (50%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9285, 17.8596, 6.0146 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 12.9285, 17.8596, 6.0146 by changing the saturation by 10% instead.

■ 12.9285, 17.8596,
6.0146

■ 12.9285, 17.8596,
6.0146

204.1058,
240.0785, 168.5120

■ 7.4560, 10.8492,
2.7850

■ 30.7777, 39.7979,
18.4394

■ 3.7977, 5.9655,
0.9859

■ 43.8851, 55.4947,
28.4717

■ 1.5883, 2.8241,
0.0000

■ 60.2681, 74.8557,
41.6086

■ 0.3848, 1.0406,
0.0000

■ 80.2922, 98.2654,
58.2687

■ 0.0000, 0.0000,
0.0000

■ 104.3226,
126.1081, 78.8706

■ 132.7248,

158.7683, 103.8328

165.8641,
196.6303, 133.5737

■ 12.9285, 17.8596,
6.0146

■ 12.9285, 17.8596,
6.0146

■ 12.1367, 17.4807,
4.6802

■ 13.8373, 18.2910,
7.7571

■ 11.4536, 17.1491,
3.7193

■ 14.8682, 18.7754,
9.9363

■ 10.8714, 16.8622,
3.0937

■ 16.0276, 19.3157,
12.5793

■ 10.3685, 16.6113,
2.6943

■ 17.3208, 19.9144,
15.7111

■ 10.3231, 16.5886,
2.6578

■ 18.7530, 20.5736,
19.3546

■ 20.3288, 21.2951,
23.5313

■ 22.0529, 22.0810,
28.2616

■ 23.9295, 22.9330,
33.5646

■ 25.9627, 23.8528,
39.4587

Harmonies

Analogous

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



16.4508, 17.8596, 4.4396



12.9285, 17.8596, 6.0146



10.8012, 17.8596, 11.0433

Triad

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



12.9285, 17.8596, 6.0146



13.7089, 17.8596, 47.8157



26.1909, 17.8596, 17.9681

Complementary

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



12.9285, 17.8596, 6.0146



8.7157, 5.8736, 20.7541

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.



25.1420, 17.8596, 31.2960



12.9285, 17.8596, 6.0146



17.5103, 17.8596, 52.0915

Square

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



12.9285, 17.8596, 6.0146



11.1978, 17.8596, 35.0452



21.7884, 17.8596, 45.1048



24.4600, 17.8596, 9.3376

Rectangle

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



12.9285, 17.8596, 6.0146



10.2430, 17.8596, 17.1023



21.7884, 17.8596, 45.1048



26.1531, 17.8596, 21.9947

Sweetspot

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



12.9289, 17.8604, 6.0150



31.1692, 35.7310, 28.5149



12.4853, 10.9854, 4.7114



7.1551, 8.2998, 6.3232



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.



12.9289, 17.8604, 6.0150



21.2664, 31.0767, 7.6812



9.9693, 16.3346, 5.8765



4.4935, 4.9309, 4.6350



10.4090, 16.7284, 2.6803



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.7157, 5.8736, 20.7541



12.9874, 7.4759, 36.7148



12.9096, 8.0356, 20.9504



4.2693, 4.2944, 5.4172



5.4066, 2.3409, 20.4168



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.9285, 17.8596, 6.0146 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 12.9285, 17.8596, 6.0146 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 12.9285, 17.8596, 6.0146

Background



This preview shows how black text looks on a background with the XYZ color 12.9285, 17.8596, 6.0146.



This preview shows how white text looks on a background with the XYZ color 12.9285, 17.8596,

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

12.9285, 17.8596, 6.0146

Protanopia

16.1216, 17.6902, 5.4706

Deuteranopia

17.8998, 17.5837, 6.1919



Tritanopia

16.3850, 17.7819, 23.3375

Trichromacy



Original Color

12.9285, 17.8596, 6.0146

Protanomaly

14.7492, 17.6869, 5.6542

Deuteranomaly

15.6551, 17.4340, 6.1544

Tritanomaly

14.6753, 17.6254, 14.9405

Monochromacy



Original Color

12.9285, 17.8596, 6.0146

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.7158, 16.1384, 11.6246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9285, 17.8596, 6.0146 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(95, 127, 52)` looks like.

```
.text, #text, p{  
    color:rgb(95, 127, 52)  
}
```

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(95, 127, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 127, 52) }
```

Border

The CSS property to change the border of an element to XYZ 12.9285, 17.8596, 6.0146 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(95, 127, 52) }
```


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

```
.border{ border-color:rgb(95, 127, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 127, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 127, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 127, 52);  
box-shadow:4px 4px 4px 4px rgb(95, 127,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9285, 17.8596, 6.0146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 127, 52) }
```

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

```
.background{ background-color: rgb(95, 127,  
52) }
```

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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