

Converting Colors

XYZ(12.7545, 19.9597, 5.1818)

Have a look what the booklet for
XYZ(12.7545, 19.9597, 5.1818)
contains.

XYZ(12.7797, 20.0356, 5.2012)	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(12.7797, 20.0356,
5.2012)**

Conversions

Conversions Part 1

Format	Color
Hex	508A28
RGB	80, 138, 40
RGB Percent	31%, 54%, 16%
CMY	0.6863, 0.4588, 0.8431
CMYK	0.42, 0.00, 0.71, 0.46
HSL	96°, 55%, 35%
HSV	96°, 71%, 54%
XYZ	12.7797, 20.0356, 5.2012
YIQ	109.4860, -3.1100, -42.7740

Conversions

Conversions Part 2

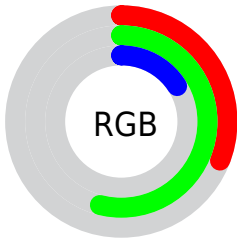
Format	Color
RYB	40, 138, 98
Decimal	5278248
CIELab	51.88, -36.42, 44.46
CIELCh	52, 57.476, 129.324
Yxy	20.0356, 0.3362, 0.5270
Android (android.graphics.Color)	4283468328 (0xFF508A28)
YUV	109.4860, -34.2566, -25.8592
Hunter-Lab	44.7611, -27.3687, 24.4434

Details

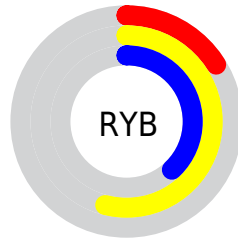
The XYZ color **12.7797, 20.0356, 5.2012** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.3843, 5.9499, 24.6470**, and the grayscale version is **14.7698, 15.5390, 16.9219**.

A 20% lighter version of the original color is **30.5695, 43.5229, 16.6871**, and **3.7849, 7.0106, 1.1537** is the 20% darker color. If you saturate the color by 10%, you get **11.9376, 19.6245, 4.1480**, and if you desaturate by 10%, it is **13.7905, 20.5252, 6.7008**.

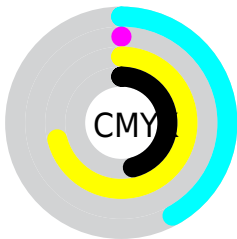
Distribution



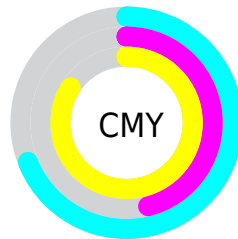
- Red (31%)
- Green (54%)
- Blue (16%)



- Red (16%)
- Yellow (54%)
- Blue (38%)



- Cyan (42%)
- Magenta (0%)
- Yellow (71%)
- Black (46%)



- Cyan (69%)
- Magenta (46%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7797, 20.0356, 5.2012 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 12.7797, 20.0356, 5.2012 by changing the saturation by 10% instead.

■ 12.7797, 20.0356,
5.2012

■ 12.7797, 20.0356,
5.2012

203.1672,
252.1078, 160.7644

■ 7.3530, 12.4209,
2.3050

■ 30.5121, 43.4769,
16.6970

■ 3.7321, 7.0310,
0.7340

■ 43.5485, 60.0722,
26.1336

■ 1.5517, 3.4815,
0.0000

■ 59.8522, 80.4300,
38.5875

■ 0.3606, 1.3880,
0.0000

■ 79.7885, 104.9345,
54.4772

■ 0.0000, 0.2078,
0.0000

■ 103.7228,
133.9701, 74.2212

■ 0.0000, 0.0000,
0.0000

■ 132.0205,

167.9212, 98.2380

165.0468,
207.1723, 126.9462

■ 12.7797, 20.0356,
5.2012

■ 12.7797, 20.0356,
5.2012

■ 11.9376, 19.6245,
4.1480

■ 13.7905, 20.5252,
6.7008

■ 11.2503, 19.2841,
3.4901

■ 14.9795, 21.0954,
8.6880

■ 10.7379, 19.0279,
3.1068

■ 16.3569, 21.7512,
11.2006

■ 17.9317, 22.4967,
14.2725

■ 19.7122, 23.3354,
17.9346

■ 21.7063, 24.2707,
22.2157

■ 23.9214, 25.3059,
27.1426

■ 26.3644, 26.4439,
32.7405

■ 29.0421, 27.6878,
39.0333

Harmonies

Analogous

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



17.2821, 20.0356, 2.9861



12.7797, 20.0356, 5.2012



10.3546, 20.0356, 12.3208

Triad

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



12.7797, 20.0356, 5.2012



15.3491, 20.0356, 67.8218



32.4037, 20.0356, 17.0110

Complementary

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



12.7797, 20.0356, 5.2012



10.3843, 5.9499, 24.6470

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.



31.5917, 20.0356, 35.2458



12.7797, 20.0356, 5.2012



20.9201, 20.0356, 71.3876

Square

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



12.7797, 20.0356, 5.2012



11.6139, 20.0356, 49.1813



27.0776, 20.0356, 57.3225



29.1114, 20.0356, 7.1283

Rectangle

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



12.7797, 20.0356, 5.2012



9.8810, 20.0356, 21.4385



27.0776, 20.0356, 57.3225



32.6144, 20.0356, 22.1966

Sweetspot

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



12.7802, 20.0365, 5.2016



34.6000, 41.0629, 31.3075



15.1552, 14.1376, 3.9379



7.5884, 9.1292, 6.6625



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.7802, 20.0365, 5.2016



20.3062, 34.2271, 6.5596



10.5011, 18.8438, 5.8985



5.1525, 5.7014, 5.3813



9.8605, 17.4532, 2.8491



0.0814, 0.1241, 0.0197

Inverse Universe

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



10.3843, 5.9499, 24.6470



15.7525, 7.7608, 43.0509



15.2589, 8.5287, 21.9035



5.0397, 5.0289, 6.3109



7.3876, 3.3226, 22.2976



0.0657, 0.0307, 0.1489

Previews

White Background



This preview shows how the XYZ color 12.7797, 20.0356, 5.2012 looks on a white background.

Color Contrast Check

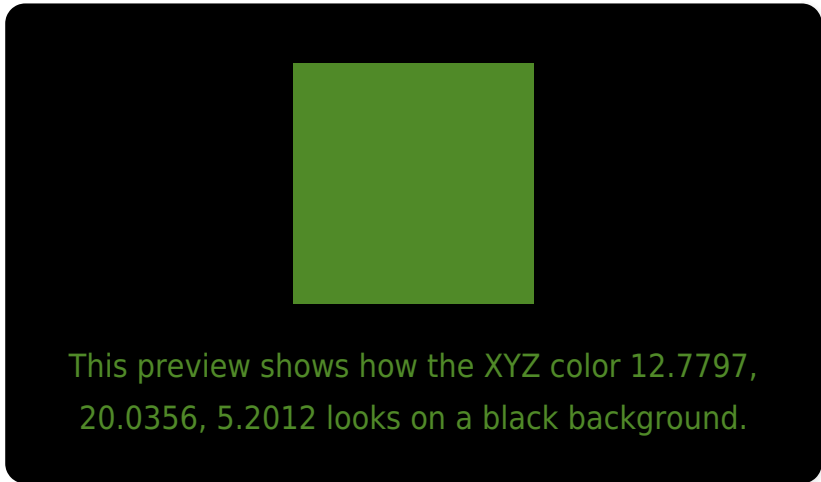
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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 12.7797, 20.0356, 5.2012

Background



This preview shows how black text looks on a background with the XYZ color 12.7797, 20.0356, 5.2012.



This preview shows how white text looks on a background with the XYZ color 12.7797, 20.0356,

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

12.7797, 20.0356, 5.2012

Protanopia

17.8826, 19.6966, 4.5284

Deuteranopia

20.0317, 19.7083, 5.5446



Tritanopia

17.2298, 19.9975, 27.3779

Trichromacy



Original Color

12.7797, 20.0356, 5.2012

Protanomaly

15.3892, 19.3538, 4.6748

Deuteranomaly

16.4115, 19.2923, 5.3414

Tritanomaly

14.9159, 19.6555, 15.8397

Monochromacy



Original Color

12.7797, 20.0356, 5.2012

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.3537, 16.6697, 10.9013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7797, 20.0356, 5.2012 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(80, 138, 40)` looks like.

```
.text, #text, p{  
    color:rgb(80, 138, 40)  
}
```

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(80, 138, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 138, 40) }
```

Border

The CSS property to change the border of an element to XYZ 12.7797, 20.0356, 5.2012 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(80, 138, 40) }
```


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

```
.border{ border-color:rgb(80, 138, 40) }
```

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

Here you see how a box with a 4 pixel rgb(80, 138, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 138, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 138, 40);  
box-shadow:4px 4px 4px 4px rgb(80, 138,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7797, 20.0356, 5.2012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 138, 40) }
```

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

```
.background{ background-color: rgb(80, 138,  
40) }
```

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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