

Converting Colors

XYZ(12.6104, 19.3935, 3.0787)

Have a look what the booklet for
XYZ(12.6104, 19.3935, 3.0787)
contains.

XYZ(12.5945, 19.3542, 3.0719)	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(12.5945, 19.3542,
3.0719)**

Conversions

Conversions Part 1

Format	Color
Hex	578700
RGB	87, 135, 0
RGB Percent	34%, 53%, 0%
CMY	0.6588, 0.4706, 1.0000
CMYK	0.36, 0.00, 1.00, 0.47
HSL	81°, 100%, 26%
HSV	81°, 100%, 53%
XYZ	12.5945, 19.3542, 3.0719
YIQ	105.2580, 14.7270, -52.1610

Conversions

Conversions Part 2

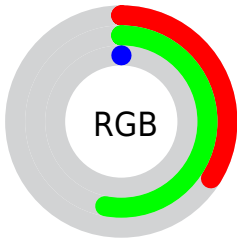
Format	Color
RYB	0, 135, 48
Decimal	5736192
CIELab	51.10, -34.31, 54.80
CIELCh	51, 64.658, 122.050
Yxy	19.3542, 0.3596, 0.5527
Android (android.graphics.Color)	4283926272 (0xFF578700)
YUV	105.2580, -51.8922, -16.0123
Hunter-Lab	43.9934, -25.8872, 26.6554

Details

The XYZ color **12.5945, 19.3542, 3.0719** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.5929, 2.3782, 23.0870**, and the grayscale version is **13.6318, 14.3417, 15.6181**.

A 20% lighter version of the original color is **30.3363, 42.5393, 11.7663**, and **3.8757, 6.8203, 1.1122** is the 20% darker color. If you saturate the color by 10%, you get **12.5946, 19.3549, 3.0721**, and if you desaturate by 10%, it is **13.1341, 19.6242, 3.4938**.

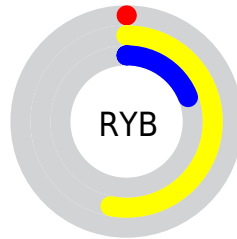
Distribution



Red (34%)

Green (53%)

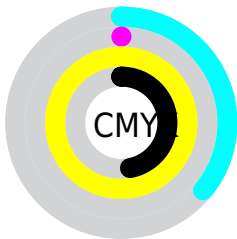
Blue (0%)



Red (0%)

Yellow (53%)

Blue (19%)

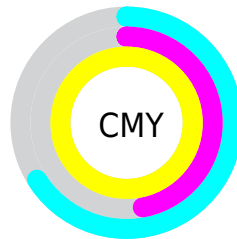


Cyan (36%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (66%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5945, 19.3542, 3.0719 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 12.5945, 19.3542, 3.0719 by changing the saturation by 10% instead.

■ 12.5945, 19.3542,
3.0719

■ 12.5945, 19.3542,
3.0719

201.9928,
248.3972, 137.2712

■ 7.2250, 11.9265,
1.1315

■ 30.1809, 42.3318,
11.8053

■ 3.6508, 6.6936,
0.0000

■ 43.1285, 58.6504,
19.4354

■ 1.5065, 3.2713,
0.0000

■ 59.3328, 78.7015,
29.7992

■ 0.3303, 1.2749,
0.0000

■ 79.1592, 102.8694,
43.3151


■ 0.0000, 0.1217,
0.0000


■ 102.9731,
131.5385, 60.4017


■ 0.0000, 0.0000,
0.0000


■ 131.1397,


165.0933, 81.4775


 164.0245,
203.9181, 106.9612


 12.5945, 19.3542,
3.0719


 12.5945, 19.3542,
3.0719


 12.5946, 19.3549,
3.0721

 13.1341, 19.6242,
3.4938

 13.7497, 19.9275,
4.1592

 14.4681, 20.2754,
5.2042

 15.2984, 20.6718,
6.6750

 16.2488, 21.1199,
8.6109

■ 17.3264, 21.6226,
11.0470

■ 18.5376, 22.1825,
14.0148

■ 19.8884, 22.8022,
17.5434

■ 21.3845, 23.4839,
21.6597

Harmonies

Analogous

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



17.9577, 19.3542, 1.8130



12.5945, 19.3542, 3.0719



9.5077, 19.3542, 8.4721

Triad

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



12.5945, 19.3542, 3.0719



13.1978, 19.3542, 70.2316



33.6850, 19.3542, 19.8343

Complementary

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



12.5945, 19.3542, 3.0719



5.5929, 2.3782, 23.0870

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.



31.5880, 19.3542, 42.3510



12.5945, 19.3542, 3.0719



18.8405, 19.3542, 79.7791

Square

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



12.5945, 19.3542, 3.0719



9.7948, 19.3542, 45.9347



25.7501, 19.3542, 67.4486



30.9592, 19.3542, 7.3344

Rectangle

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



12.5945, 19.3542, 3.0719



8.6824, 19.3542, 16.5547



25.7501, 19.3542, 67.4486



33.5196, 19.3542, 26.3476

Sweetspot

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



12.5949, 19.3551, 3.0723



33.0408, 39.6515, 24.7052



11.0190, 7.2048, 0.8101



7.4623, 9.0954, 5.2489



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.



12.5949, 19.3551, 3.0723



22.3751, 34.5673, 5.4929



8.9582, 17.4802, 2.9021



4.8833, 5.3424, 5.0032



11.6281, 17.8544, 2.8334



0.0482, 0.0660, 0.0102

Inverse Universe

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



5.5929, 2.3782, 23.0870



9.8538, 4.1751, 41.3349



11.4114, 5.3777, 23.3593



4.5792, 4.6192, 5.8510



5.1704, 2.1996, 21.2887



0.0253, 0.0114, 0.0741

Previews

White Background



This preview shows how the XYZ color 12.5945, 19.3542, 3.0719 looks on a white background.

Color Contrast Check

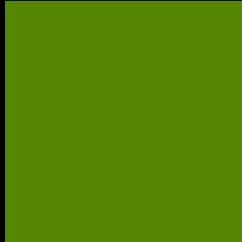
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 12.5945, 19.3542, 3.0719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

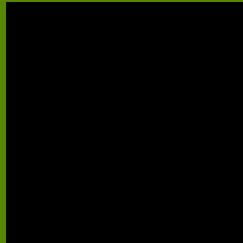
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.5945, 19.3542, 3.0719

Background



This preview shows how black text looks on a background with the XYZ color 12.5945, 19.3542, 3.0719.



This preview shows how white text looks on a background with the XYZ color 12.5945, 19.3542,

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

12.5945, 19.3542, 3.0719

Protanopia

17.2761, 19.2374, 2.8027

Deuteranopia

19.4541, 19.1084, 3.6402



Tritanopia

17.1444, 19.2115, 26.0971

Trichromacy



Original Color

12.5945, 19.3542, 3.0719

Protanomaly

15.1971, 19.1007, 2.8858

Deuteranomaly

16.1140, 18.6267, 3.2763

Tritanomaly

14.3944, 18.8754, 11.9015

Monochromacy



Original Color

12.5945, 19.3542, 3.0719

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.2955, 15.4927, 7.6525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5945, 19.3542, 3.0719 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(87, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(87, 135, 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(87, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 135, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.5945, 19.3542, 3.0719 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(87, 135, 0) }
```


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

```
.border{ border-color:rgb(87, 135, 0) }
```

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

Here you see how a box with a 4 pixel rgb(87, 135, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(87, 135, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.5945, 19.3542, 3.0719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 135, 0) }
```

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

```
.background{ background-color: rgb(87, 135,  
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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