

Converting Colors

XYZ(12.5852, 19.4852, 3.0977)

Have a look what the booklet for
XYZ(12.5852, 19.4852, 3.0977)
contains.

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Color

**XYZ(12.6419, 19.5868,
3.1143)**

Conversions

Conversions Part 1

Format	Color
Hex	568800
RGB	86, 136, 0
RGB Percent	34%, 53%, 0%
CMY	0.6627, 0.4667, 1.0000
CMYK	0.37, 0.00, 1.00, 0.47
HSL	82°, 100%, 27%
HSV	82°, 100%, 53%
XYZ	12.6419, 19.5868, 3.1143
YIQ	105.5460, 13.8560, -52.8960

Conversions

Conversions Part 2

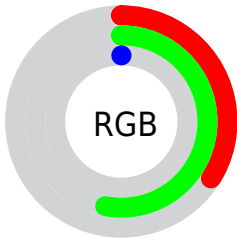
Format	Color
RYB	0, 136, 50
Decimal	5670912
CIELab	51.37, -35.15, 54.99
CIELCh	51, 65.258, 122.586
Yxy	19.5868, 0.3577, 0.5542
Android (android.graphics.Color)	4283860992 (0xFF568800)
YUV	105.5460, -52.0342, -17.1418
Hunter-Lab	44.2570, -26.4616, 26.8077

Details

The XYZ color **12.6419, 19.5868, 3.1143** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.7603, 2.4563, 23.4643**, and the grayscale version is **13.7111, 14.4251, 15.7090**.

A 20% lighter version of the original color is **30.4111, 42.8949, 11.9869**, and **3.9235, 6.9627, 1.1371** is the 20% darker color. If you saturate the color by 10%, you get **12.6420, 19.5875, 3.1145**, and if you desaturate by 10%, it is **13.1956, 19.8640, 3.5403**.

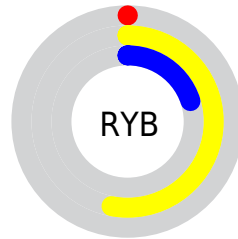
Distribution



Red (34%)

Green (53%)

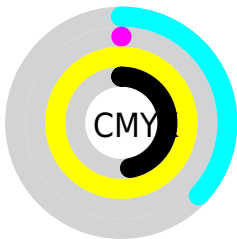
Blue (0%)



Red (0%)

Yellow (53%)

Blue (20%)

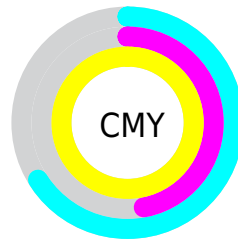


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (66%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6419, 19.5868, 3.1143 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 12.6419, 19.5868, 3.1143 by changing the saturation by 10% instead.

■ 12.6419, 19.5868,
3.1143

■ 12.6419, 19.5868,
3.1143

202.2941,
249.6694, 137.8033

■ 7.2577, 12.0950,
1.1533

■ 30.2657, 42.7233,
11.9092

■ 3.6716, 6.8084,
0.0000

■ 43.2361, 59.1369,
19.5802

■ 1.5181, 3.3426,
0.0000

■ 59.4659, 79.2932,
29.9915

■ 0.3381, 1.3131,
0.0000

■ 79.3205, 103.5766,
43.5619


■ 0.0000, 0.1513,
0.0000


■ 103.1653,
132.3715, 60.7097


■ 0.0000, 0.0000,
0.0000


■ 131.3656,


166.0624, 81.8535


 164.2867,
205.0335, 107.4119


 12.6419, 19.5868,
3.1143


 12.6419, 19.5868,
3.1143


 12.6420, 19.5875,
3.1145

 13.1956, 19.8640,
3.5403

 13.8288, 20.1762,
4.2152

 14.5685, 20.5348,
5.2762

 15.4243, 20.9438,
6.7703

 16.4042, 21.4064,
8.7377

■ 17.5158, 21.9258,
11.2141

■ 18.7655, 22.5046,
14.2316

■ 20.1597, 23.1453,
17.8197

■ 21.7040, 23.8504,
22.0060

Harmonies

Analogous

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



18.0560, 19.5868, 1.8009



12.6419, 19.5868, 3.1143



9.5495, 19.5868, 8.6884

Triad

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



12.6419, 19.5868, 3.1143



13.4151, 19.5868, 71.7986



34.1814, 19.5868, 19.7453

Complementary

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



12.6419, 19.5868, 3.1143



5.7603, 2.4563, 23.4643

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.



32.1296, 19.5868, 42.5276



12.6419, 19.5868, 3.1143



19.1888, 19.5868, 81.1638

Square

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



12.6419, 19.5868, 3.1143



9.9171, 19.5868, 47.1359



26.2279, 19.5868, 68.2162



31.3215, 19.5868, 7.2340

Rectangle

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



12.6419, 19.5868, 3.1143



8.7377, 19.5868, 17.0165



26.2279, 19.5868, 68.2162



34.0434, 19.5868, 26.3094

Sweetspot

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



12.6423, 19.5877, 3.1147



32.9163, 39.5873, 24.6993



11.2891, 7.5049, 0.8538



7.4306, 9.0790, 5.2474



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.



12.6423, 19.5877, 3.1147



22.1032, 34.4271, 5.4801



9.0568, 17.7392, 2.9469



5.2557, 5.7546, 5.3861



11.9751, 18.5434, 2.9481



0.0957, 0.1315, 0.0203

Inverse Universe

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



5.7603, 2.4563, 23.4643



9.9914, 4.2461, 41.3413



11.8979, 5.6204, 23.7515



4.9370, 4.9760, 6.3061



5.4609, 2.3293, 22.2075



0.0514, 0.0233, 0.1482

Previews

White Background



This preview shows how the XYZ color 12.6419, 19.5868, 3.1143 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 12.6419, 19.5868, 3.1143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

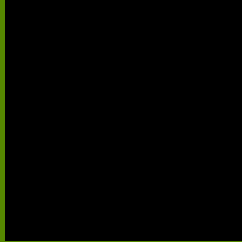
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.6419, 19.5868, 3.1143

Background



This preview shows how black text looks on a background with the XYZ color 12.6419, 19.5868, 3.1143.



This preview shows how white text looks on a background with the XYZ color 12.6419, 19.5868,

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

12.6419, 19.5868, 3.1143

Protanopia

17.4408, 19.3223, 2.8104

Deuteranopia

19.7696, 19.4399, 3.7472



Tritanopia

17.3430, 19.4946, 26.5157

Trichromacy



Original Color

12.6419, 19.5868, 3.1143

Protanomaly

15.1971, 19.1007, 2.8858

Deuteranomaly

16.2374, 18.8735, 3.3175

Tritanomaly

14.5268, 19.1402, 11.9456

Monochromacy



Original Color

12.6419, 19.5868, 3.1143

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.5200, 15.7805, 7.6963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6419, 19.5868, 3.1143 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(86, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(86, 136, 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(86, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 136, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.6419, 19.5868, 3.1143 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(86, 136, 0) }
```


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

```
.border{ border-color:rgb(86, 136, 0) }
```

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

Here you see how a box with a 4 pixel rgb(86, 136, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(86, 136, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.6419, 19.5868, 3.1143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 136, 0) }
```

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

```
.background{ background-color: rgb(86, 136,  
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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