

Converting Colors

XYZ(12.5401, 16.2353, 3.1816)

Have a look what the booklet for
XYZ(12.5401, 16.2353, 3.1816)
contains.

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Color

**XYZ(12.5579, 16.2511,
3.1844)**

Conversions

Conversions Part 1

Format	Color
Hex	697715
RGB	105, 119, 21
RGB Percent	41%, 47%, 8%
CMY	0.5882, 0.5333, 0.9176
CMYK	0.12, 0.00, 0.82, 0.53
HSL	69°, 70%, 27%
HSV	69°, 82%, 47%
XYZ	12.5579, 16.2511, 3.1844
YIQ	103.6420, 23.1140, -33.4460

Conversions

Conversions Part 2

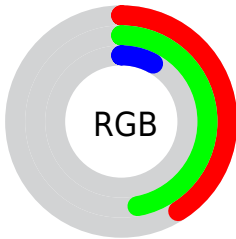
Format	Color
R _Y B	21, 119, 35
Decimal	6911765
CIE Lab	47.30, -18.19, 47.52
CIE LCh	47, 50.886, 110.949
Yxy	16.2511, 0.3925, 0.5080
Android (android.graphics.Color)	4285101845 (0xFF697715)
YUV	103.6420, -40.7425, 1.1910
Hunter-Lab	40.3127, -14.9421, 23.5354

Details

The XYZ color **12.5579, 16.2511, 3.1844** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.2917, 2.2260, 17.6573**, and the grayscale version is **13.1639, 13.8495, 15.0821**.

A 20% lighter version of the original color is **30.0970, 36.9912, 12.0323**, and **3.8288, 5.3187, 0.8248** is the 20% darker color. If you saturate the color by 10%, you get **12.2750, 16.1157, 2.7251**, and if you desaturate by 10%, it is **12.8978, 16.4110, 3.9197**.

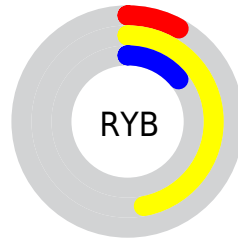
Distribution



Red (41%)

Green (47%)

Blue (8%)



Red (8%)

Yellow (47%)

Blue (14%)

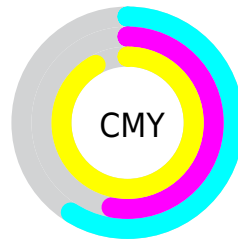


Cyan (12%)

Magenta (0%)

Yellow (82%)

Black (53%)



Cyan (59%)

Magenta (53%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5579, 16.2511, 3.1844 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 12.5579, 16.2511, 3.1844 by changing the saturation by 10% instead.

■ 12.5579, 16.2511,
3.1844

■ 12.5579, 16.2511,
3.1844

201.7599,
230.8189, 138.6756

■ 7.1997, 9.7020,
1.1895

■ 30.1153, 37.0336,
12.0802

■ 3.6348, 5.2018,
0.0000

■ 43.0453, 52.0358,
19.8182

■ 1.4977, 2.3662,
0.0000

■ 59.2299, 70.6244,
30.3076

■ 0.3242, 0.8084,
0.0000

■ 79.0345, 93.1840,
43.9670

■ 0.0000, 0.0000,
0.0000

■ 102.8244,
120.0988, 61.2150

■ 130.9651,

151.7533, 82.4701

163.8218,
188.5319, 108.1508

12.5579, 16.2511,
3.1844

12.5579, 16.2511,
3.1844

12.2750, 16.1157,
2.7251

12.8978, 16.4110,
3.9197

12.0765, 16.0191,
2.4555

13.3003, 16.5957,
4.9654

13.7714, 16.8084,
6.3511

14.3161, 17.0510,
8.1030

14.9388, 17.3253,
10.2447

■ 15.6438, 17.6329,
12.7977

■ 16.4347, 17.9754,
15.7821

■ 17.3152, 18.3542,
19.2165

■ 18.2886, 18.7707,
23.1186

Harmonies

Analogous

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



16.8460, 16.2511, 2.7797



12.5579, 16.2511, 3.1844



9.6601, 16.2511, 6.2337

Triad

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



12.5579, 16.2511, 3.1844



10.6163, 16.2511, 44.7136



25.6487, 16.2511, 21.8809

Complementary

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



12.5579, 16.2511, 3.1844



4.2917, 2.2260, 17.6573

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.



23.1761, 16.2511, 38.3159



12.5579, 16.2511, 3.1844



14.1261, 16.2511, 55.1167

Square

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



12.5579, 16.2511, 3.1844



8.6996, 16.2511, 28.1004



18.7465, 16.2511, 52.3331



25.0040, 16.2511, 10.2390

Rectangle

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



12.5579, 16.2511, 3.1844



8.6330, 16.2511, 10.7831



18.7465, 16.2511, 52.3331



25.1392, 16.2511, 27.0652

Sweetspot

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



12.5583, 16.2518, 3.1847



27.5806, 31.3860, 21.3302



8.3177, 5.1245, 1.2604



6.4509, 7.4009, 4.7452



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.5583, 16.2518, 3.1847



21.5807, 28.6606, 4.4393



8.4164, 14.1166, 2.9909



3.9177, 4.2410, 3.9544



12.8238, 17.0153, 2.6084



61.9415, 82.6338, 12.6853

Inverse Universe

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



4.2917, 2.2260, 17.6573



6.3459, 2.6077, 31.4219



7.1717, 3.7107, 17.7921



3.5449, 3.6127, 4.6007



3.7777, 1.5388, 18.6405



17.9571, 7.2657, 90.8163

Previews

White Background



This preview shows how the XYZ color 12.5579, 16.2511, 3.1844 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 12.5579, 16.2511, 3.1844 looks on a black 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

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

XYZ 12.5579, 16.2511, 3.1844

Background



This preview shows how black text looks on a background with the XYZ color 12.5579, 16.2511, 3.1844.



This preview shows how white text looks on a background with the XYZ color 12.5579, 16.2511,

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

12.5579, 16.2511, 3.1844

Protanopia

14.5159, 16.0710, 2.9530

Deuteranopia

16.3481, 16.0546, 3.3358



Tritanopia

16.0140, 16.3024, 20.0719

Trichromacy



Original Color

12.5579, 16.2511, 3.1844

Protanomaly

13.7282, 16.1635, 3.0581

Deuteranomaly

14.7620, 16.0283, 3.2354

Tritanomaly

14.1731, 16.0542, 10.7393

Monochromacy



Original Color

12.5579, 16.2511, 3.1844

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.4136, 14.3747, 8.5989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5579, 16.2511, 3.1844 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(105, 119, 21)` looks like.

```
.text, #text, p{  
    color:rgb(105, 119, 21)  
}
```

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(105, 119, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 119, 21) }
```

Border

The CSS property to change the border of an element to XYZ 12.5579, 16.2511, 3.1844 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(105, 119, 21) }
```


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

```
.border{ border-color:rgb(105, 119, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 119, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 119, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 119, 21);  
box-shadow:4px 4px 4px 4px rgb(105, 119,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5579, 16.2511, 3.1844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 119, 21) }
```

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

```
.background{ background-color: rgb(105,  
119, 21) }
```

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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