

Converting Colors

XYZ(12.5390, 16.4904, 8.3227)

Have a look what the booklet for
XYZ(12.5390, 16.4904, 8.3227)
contains.

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Color

**XYZ(12.5590, 16.4966,
8.3166)**

Conversions

Conversions Part 1

Format	Color
Hex	5E7946
RGB	94, 121, 70
RGB Percent	37%, 47%, 27%
CMY	0.6314, 0.5255, 0.7255
CMYK	0.22, 0.00, 0.42, 0.53
HSL	92°, 27%, 37%
HSV	92°, 42%, 47%
XYZ	12.5590, 16.4966, 8.3166
YIQ	107.1130, 0.2790, -21.5850

Conversions

Conversions Part 2

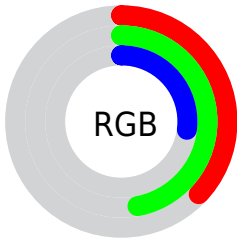
Format	Color
RYB	70, 121, 97
Decimal	6191430
CIELab	47.62, -19.55, 24.83
CIElCh	48, 31.605, 128.218
Yxy	16.4966, 0.3361, 0.4414
Android (android.graphics.Color)	4284381510 (0xFF5E7946)
YUV	107.1130, -18.2967, -11.5001
Hunter-Lab	40.6160, -15.8835, 16.2909

Details

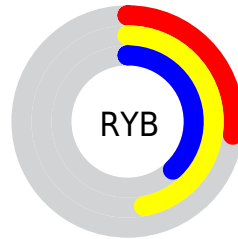
The XYZ color **12.5590, 16.4966, 8.3166** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.5717, 8.3026, 19.1354**, and the grayscale version is **14.0560, 14.7880, 16.1041**.

A 20% lighter version of the original color is **29.9504, 37.2388, 23.0620**, and **3.6195, 5.2858, 1.7492** is the 20% darker color. If you saturate the color by 10%, you get **11.5851, 16.0348, 6.4743**, and if you desaturate by 10%, it is **13.6652, 17.0187, 10.5677**.

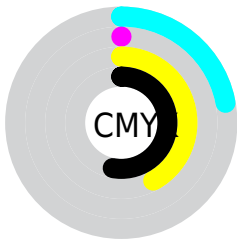
Distribution



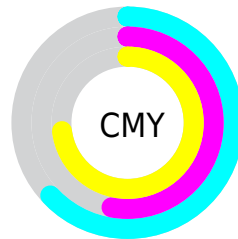
- Red (37%)
- Green (47%)
- Blue (27%)



- Red (27%)
- Yellow (47%)
- Blue (38%)



- Cyan (22%)
- Magenta (0%)
- Yellow (42%)
- Black (53%)



- Cyan (63%)
- Magenta (53%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5590, 16.4966, 8.3166 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 12.5590, 16.4966, 8.3166 by changing the saturation by 10% instead.

■ 12.5590, 16.4966,
8.3166

■ 12.5590, 16.4966,
8.3166

201.7669,
232.2545, 188.2210

■ 7.2005, 9.8762,
4.2075

■ 30.1173, 37.4582,
23.1331

■ 3.6352, 5.3170,
1.7399

■ 43.0478, 52.5682,
34.6777

■ 1.4979, 2.4344,
0.3878

■ 59.2330, 71.2769,
49.5378

■ 0.3244, 0.8435,
0.0000

■ 79.0382, 93.9687,
68.1321

■ 0.0000, 0.0000,
0.0000

■ 102.8289,
121.0280, 90.8789

130.9703,

152.8391, 118.1970

163.8279,
189.7865, 150.5049

■ 12.5590, 16.4966,
8.3166

■ 12.5590, 16.4966,
8.3166

■ 11.5851, 16.0348,
6.4743

■ 13.6652, 17.0187,
10.5677

■ 10.7364, 15.6287,
5.0150

■ 14.9081, 17.6014,
13.2489

■ 10.0067, 15.2762,
3.9120

■ 16.2933, 18.2476,
16.3816

■ 9.3889, 14.9743,
3.1345

■ 17.8256, 18.9594,
19.9852

■ 8.8744, 14.7193,
2.6462

■ 19.5098, 19.7387,
24.0782

■ 8.5216, 14.5435,
2.3580

■ 21.3501, 20.5875,
28.6778

■ 23.3508, 21.5076,
33.8006

■ 25.5160, 22.5007,
39.4623

■ 27.8495, 23.5686,
45.6782

Harmonies

Analogous

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



14.9173, 16.4966, 6.5607



12.5590, 16.4966, 8.3166



11.1648, 16.4966, 12.7947

Triad

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



12.5590, 16.4966, 8.3166



13.7526, 16.4966, 36.5816



21.6806, 16.4966, 15.8327

Complementary

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



12.5590, 16.4966, 8.3166



10.5717, 8.3026, 19.1354

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.



21.2719, 16.4966, 24.3613



12.5590, 16.4966, 8.3166



16.4673, 16.4966, 38.1278

Square

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



12.5590, 16.4966, 8.3166



11.7942, 16.4966, 29.3816



19.2783, 16.4966, 33.1302



20.3362, 16.4966, 9.9669

Rectangle

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



12.5590, 16.4966, 8.3166



10.8610, 16.4966, 17.4836



19.2783, 16.4966, 33.1302



21.7465, 16.4966, 18.4490

Sweetspot

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



12.5594, 16.4973, 8.3170



28.8705, 32.5330, 28.6310



13.2061, 12.9375, 7.5958



6.4938, 7.3886, 6.3005



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.



12.5594, 16.4973, 8.3170



20.7245, 28.7031, 11.5563



10.4962, 15.4305, 8.3615



4.1135, 4.5338, 4.2828



9.1189, 15.5782, 2.5263



42.5314, 73.8112, 12.0053

Inverse Universe

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



10.5717, 8.3026, 19.1354



16.6346, 11.8501, 33.8034



13.4752, 9.8054, 19.0003



3.9813, 3.9882, 5.0031



5.9556, 2.6430, 19.5815



27.4188, 12.0969, 93.3596

Previews

White Background



This preview shows how the XYZ color 12.5590, 16.4966, 8.3166 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 12.5590, 16.4966, 8.3166 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 12.5590, 16.4966, 8.3166

Background



This preview shows how black text looks on a background with the XYZ color 12.5590, 16.4966, 8.3166.



This preview shows how white text looks on a background with the XYZ color 12.5590, 16.4966,

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

12.5590, 16.4966, 8.3166

Protanopia

15.0866, 16.4265, 7.6857

Deuteranopia

16.7185, 16.4404, 8.5955



Tritanopia

15.2483, 16.5415, 21.4579

Trichromacy



Original Color

12.5590, 16.4966, 8.3166

Protanomaly

13.9709, 16.3529, 7.8889

Deuteranomaly

14.9600, 16.3431, 8.4969

Tritanomaly

14.0056, 16.3747, 15.5192

Monochromacy



Original Color

12.5590, 16.4966, 8.3166

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.2940, 15.2213, 12.8270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5590, 16.4966, 8.3166 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(94, 121, 70) looks like.

```
.text, #text, p{  
    color:rgb(94, 121, 70)  
}
```

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(94, 121, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 121, 70) }
```

Border

The CSS property to change the border of an element to XYZ 12.5590, 16.4966, 8.3166 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(94, 121, 70) }
```


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

```
.border{ border-color:rgb(94, 121, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 121, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 121, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 121, 70);  
box-shadow:4px 4px 4px 4px rgb(94, 121,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5590, 16.4966, 8.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 121, 70) }
```

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

```
.background{ background-color: rgb(94, 121,  
70) }
```

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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