

Converting Colors

XYZ(15.7166, 20.5114, 13.6060)

Have a look what the booklet for
XYZ(15.7166, 20.5114, 13.6060)
contains.

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Color

**XYZ(15.8010, 20.5677,
13.7268)**

Conversions

Conversions Part 1

Format	Color
Hex	64865E
RGB	100, 134, 94
RGB Percent	39%, 53%, 37%
CMY	0.6078, 0.4745, 0.6314
CMYK	0.25, 0.00, 0.30, 0.47
HSL	111°, 18%, 45%
HSV	111°, 30%, 53%
XYZ	15.8010, 20.5677, 13.7268
YIQ	119.2740, -7.4240, -19.6480

Conversions

Conversions Part 2

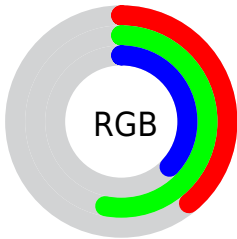
Format	Color
RYB	94, 134, 128
Decimal	6587998
CIELab	52.47, -20.21, 17.77
CIElCh	52, 26.917, 138.678
Yxy	20.5677, 0.3154, 0.4106
Android (android.graphics.Color)	4284778078 (0xFF64865E)
YUV	119.2740, -12.4601, -16.9033
Hunter-Lab	45.3516, -17.1740, 13.8005

Details

The XYZ color **15.8010, 20.5677, 13.7268** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.2088, 14.3164, 24.4117**, and the grayscale version is **17.6618, 18.5816, 20.2354**.

A 20% lighter version of the original color is **35.8301, 44.2604, 33.4427**, and **5.0996, 7.2759, 3.8249** is the 20% darker color. If you saturate the color by 10%, you get **14.0783, 19.7438, 10.7753**, and if you desaturate by 10%, it is **17.8054, 21.5260, 17.2374**.

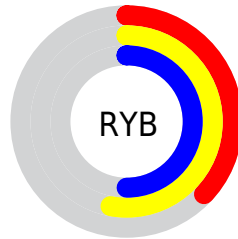
Distribution



Red (39%)

Green (53%)

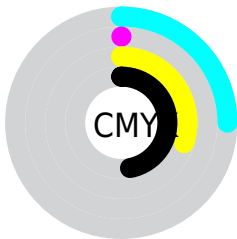
Blue (37%)



Red (37%)

Yellow (53%)

Blue (50%)

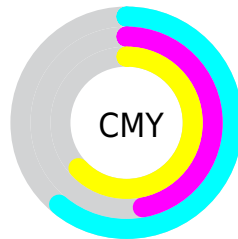


Cyan (25%)

Magenta (0%)

Yellow (30%)

Black (47%)



Cyan (61%)

Magenta (47%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8010, 20.5677, 13.7268 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 15.8010, 20.5677, 13.7268 by changing the saturation by 10% instead.

■ 15.8010, 20.5677,
13.7268

■ 15.8010, 20.5677,
13.7268

221.4581,
254.9720, 226.8936

■ 9.4734, 12.8084,
7.7943

■ 35.8126, 44.3669,
33.3136

■ 5.1108, 7.2967,
3.8777

■ 50.2274, 61.1757,
47.8050

■ 2.3478, 3.6484,
1.5585

■ 68.0685, 81.7696,
65.9865

■ 0.8190, 1.4789,
0.2610

■ 89.7015, 106.5332,
88.2765

■ 0.0000, 0.2738,
0.0000

115.4915,
135.8509, 115.0937

■ 0.0000, 0.0000,
0.0000

145.8041,

170.1070, 146.8566

181.0045,
209.6859, 183.9837

■ 15.8010, 20.5677,
13.7268

■ 15.8010, 20.5677,
13.7268

■ 14.0783, 19.7438,
10.7753

■ 17.8054, 21.5260,
17.2374

■ 12.6230, 19.0456,
8.3527

■ 20.1017, 22.6215,
21.3324

■ 11.4219, 18.4678,
6.4281

■ 22.7017, 23.8604,
26.0372

■ 10.4603, 18.0034,
4.9670

■ 25.6159, 25.2476,
31.3754

■ 9.7216, 17.6448,
3.9303

■ 28.8544, 26.7878,
37.3692

■ 9.1872, 17.3833,
3.2724

■ 32.4267, 28.4855,
44.0399

■ 8.8206, 17.2030,
2.8613

■ 36.3421, 30.3449,
51.4076

■ 8.8160, 17.2008,
2.8554

■ 40.6095, 32.3703,
59.4918

■ 45.2374, 34.5657,
68.3111

Harmonies

Analogous

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



17.8856, 20.5677, 10.7923



15.8010, 20.5677, 13.7268



14.7595, 20.5677, 19.5202

Triad

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



15.8010, 20.5677, 13.7268



18.5177, 20.5677, 41.0225



25.0662, 20.5677, 17.8386

Complementary

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



15.8010, 20.5677, 13.7268



17.2088, 14.3164, 24.4117

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.



25.2764, 20.5677, 25.5385



15.8010, 20.5677, 13.7268



21.3124, 20.5677, 40.2656

Square

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



15.8010, 20.5677, 13.7268



16.2258, 20.5677, 35.9808



23.8472, 20.5677, 34.1079



23.2975, 20.5677, 12.7482

Rectangle

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



15.8010, 20.5677, 13.7268



14.7240, 20.5677, 24.7864



23.8472, 20.5677, 34.1079



25.3273, 20.5677, 20.1621

Sweetspot

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



15.8015, 20.5686, 13.7273



35.6983, 39.9898, 38.0922



19.5720, 21.3158, 13.6728



7.9200, 8.9509, 8.3617



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.8015, 20.5686, 13.7273



25.6810, 35.2052, 20.4738



15.8486, 20.5136, 17.3121



4.6766, 5.2358, 4.9935



8.2678, 16.1221, 2.6761



0.0325, 0.0578, 0.0095

Inverse Universe

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



17.2088, 14.3164, 24.4117



28.5811, 22.2928, 42.5350



17.2251, 14.4303, 19.6475



4.7911, 4.7284, 5.8609



10.5312, 4.9632, 21.5396



0.0411, 0.0196, 0.0748

Previews

White Background



This preview shows how the XYZ color 15.8010, 20.5677, 13.7268 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 15.8010, 20.5677, 13.7268 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 15.8010, 20.5677, 13.7268

Background



This preview shows how black text looks on a background with the XYZ color 15.8010, 20.5677, 13.7268.



This preview shows how white text looks on a background with the XYZ color 15.8010, 20.5677,

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

15.8010, 20.5677, 13.7268

Protanopia

19.0106, 20.4737, 12.6227

Deuteranopia

20.7282, 20.4070, 14.1557



Tritanopia

18.5637, 20.4906, 27.4028

Trichromacy



Original Color

15.8010, 20.5677, 13.7268

Protanomaly

17.6335, 20.3312, 12.8925

Deuteranomaly

18.4982, 20.1789, 13.9863

Tritanomaly

17.3835, 20.3986, 21.7600

Monochromacy



Original Color

15.8010, 20.5677, 13.7268

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.7042, 18.9858, 17.5361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8010, 20.5677, 13.7268 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(100, 134, 94)` looks like.

```
.text, #text, p{  
    color:rgb(100, 134, 94)  
}
```

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(100, 134, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 134, 94) }
```

Border

The CSS property to change the border of an element to XYZ 15.8010, 20.5677, 13.7268 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(100, 134, 94) }
```


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

```
.border{ border-color:rgb(100, 134, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 134, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 134, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 134, 94);  
box-shadow:4px 4px 4px 4px rgb(100, 134,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8010, 20.5677, 13.7268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 134, 94) }
```

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

```
.background{ background-color: rgb(100,  
134, 94) }
```

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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