

Converting Colors

XYZ(11.5260, 12.8965, 16.0907)

Have a look what the booklet for
XYZ(11.5260, 12.8965, 16.0907)
contains.

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Color

**XYZ(11.4875, 12.8094,
16.0544)**

Conversions

Conversions Part 1

Format	Color
Hex	57676C
RGB	87, 103, 108
RGB Percent	34%, 40%, 42%
CMY	0.6588, 0.5961, 0.5765
CMYK	0.19, 0.05, 0.00, 0.58
HSL	194°, 11%, 38%
HSV	194°, 19%, 42%
XYZ	11.4875, 12.8094, 16.0544
YIQ	98.7860, -11.1410, -1.8370

Conversions

Conversions Part 2

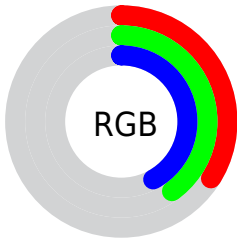
Format	Color
R_{YB}	87, 96, 108
Decimal	5728108
CIE _{Lab}	42.47, -4.84, -4.84
CIE _{LCh}	42, 6.843, 225.029
Yxy	12.8094, 0.2847, 0.3174
Android (android.graphics.Color)	4283918188 (0xFF57676C)
YUV	98.7860, 4.5425, -10.3363
Hunter-Lab	35.7902, -5.3402, -1.5425

Details

The XYZ color **11.4875, 12.8094, 16.0544** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.7320, 11.5307, 10.6244**, and the grayscale version is **11.7971, 12.4115, 13.5161**.

A 20% lighter version of the original color is **28.1301, 30.9328, 37.2889**, and **3.1709, 3.6367, 4.9497** is the 20% darker color. If you saturate the color by 10%, you get **10.3020, 11.8247, 15.9270**, and if you desaturate by 10%, it is **12.8326, 13.8886, 16.1920**.

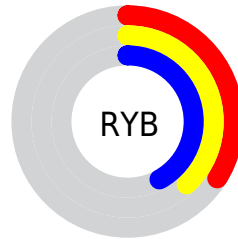
Distribution



Red (34%)

Green (40%)

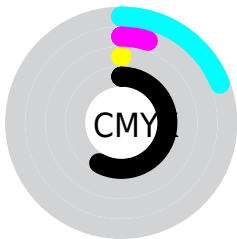
Blue (42%)



Red (34%)

Yellow (38%)

Blue (42%)

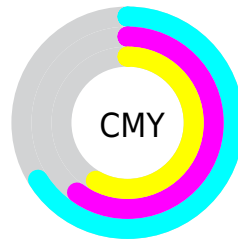


Cyan (19%)

Magenta (5%)

Yellow (0%)

Black (58%)



Cyan (66%)

Magenta (60%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4875, 12.8094, 16.0544 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 11.4875, 12.8094, 16.0544 by changing the saturation by 10% instead.

■ 11.4875, 12.8094,
16.0544

■ 11.4875, 12.8094,
16.0544

194.8222,
209.6925, 241.5192

■ 6.4654, 7.2974,
9.4079

■ 28.1832, 30.9609,
37.4607

■ 3.1734, 3.6488,
4.9077

■ 40.5876, 44.3693,
53.0576

■ 1.2461, 1.4791,
2.1354

■ 56.1834, 61.1786,
72.4750

■ 0.1423, 0.2740,
0.6367

■ 75.3361, 81.7732,
96.1315

■ 0.0000, 0.0000,
0.0000

■ 98.4110, 106.5374,
124.4457

125.7734,

135.8558, 157.8360

157.7887,
170.1127, 196.7209

■ 11.4875, 12.8094,
16.0544

■ 11.4875, 12.8094,
16.0544

■ 10.3020, 11.8247,
15.9270

■ 12.8326, 13.8886,
16.1920

■ 9.2681, 10.9295,
15.8087

■ 14.3423, 15.0642,
16.3394

■ 8.3789, 10.1204,
15.6994

■ 16.0232, 16.3399,
16.4970

■ 7.6267, 9.3931,
15.5987

■ 17.8808, 17.7186,
16.6652

■ 7.0027, 8.7433,
15.5061

■ 19.9205, 19.2034,
16.8443

■ 6.4972, 8.1657,
15.4213

■ 22.1476, 20.7968,
17.0345

■ 6.0991, 7.6545,
15.3436

■ 24.5669, 22.5017,
17.2360

■ 5.7645, 7.1869,
15.2710

■ 27.1833, 24.3205,
17.4492

■ 5.7462, 7.1614,
15.2670

■ 30.0013, 26.2557,
17.6742

Harmonies

Analogous

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



11.2422, 12.8094, 14.6967



11.4875, 12.8094, 16.0544



11.9206, 12.8094, 16.8746

Triad

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



11.4875, 12.8094, 16.0544



13.1582, 12.8094, 14.6938



11.9196, 12.8094, 11.3804

Complementary

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



11.4875, 12.8094, 16.0544



11.7320, 11.5307, 10.6244

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.



12.4329, 12.8094, 11.3797



11.4875, 12.8094, 16.0544



13.1580, 12.8094, 13.2237

Square

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



11.4875, 12.8094, 16.0544



12.8900, 12.8094, 16.0521



12.8893, 12.8094, 12.0331



11.4868, 12.8094, 12.0349

Rectangle

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



11.4875, 12.8094, 16.0544



12.2621, 12.8094, 16.9718



12.8893, 12.8094, 12.0331



12.0882, 12.8094, 11.3053

Sweetspot

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



11.4879, 12.8099, 16.0547



23.3660, 25.0409, 28.5096



11.2207, 13.5226, 12.1213



5.6275, 6.0390, 6.8978



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



11.4879, 12.8099, 16.0547



19.2645, 21.7464, 28.0898



10.5169, 10.8679, 15.7310



3.1238, 3.3759, 3.9218



6.8324, 8.4991, 18.2026



34.1209, 41.9203, 92.5193

Inverse Universe

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



12.0410, 10.9841, 14.3180



20.4232, 18.0024, 24.4337



12.6957, 13.4581, 10.9457



3.1883, 3.1522, 3.7218



9.1955, 4.5303, 9.9242



46.5054, 22.9441, 48.7257

Previews

White Background



This preview shows how the XYZ color 11.4875, 12.8094, 16.0544 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 11.4875, 12.8094, 16.0544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

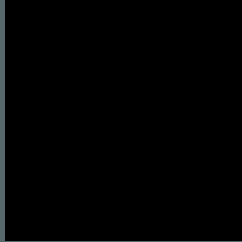
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

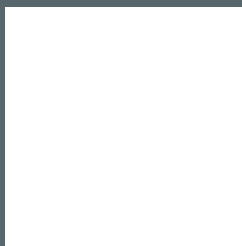
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.4875, 12.8094, 16.0544

Background



This preview shows how black text looks on a background with the XYZ color 11.4875, 12.8094, 16.0544.



This preview shows how white text looks on a background with the XYZ color 11.4875, 12.8094,

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

11.4875, 12.8094, 16.0544

Protanopia

12.3189, 12.6736, 15.4326

Deuteranopia

12.9789, 12.7177, 16.2387



Tritanopia

11.7440, 12.9229, 16.9143

Trichromacy



Original Color

11.4875, 12.8094, 16.0544

Protanomaly

11.9303, 12.6088, 15.7149

Deuteranomaly

12.3677, 12.6805, 16.2637

Tritanomaly

11.6892, 12.9010, 16.6259

Monochromacy



Original Color

11.4875, 12.8094, 16.0544

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.6748, 12.5065, 14.3691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4875, 12.8094, 16.0544 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, 103, 108)` looks like.

```
.text, #text, p{  
    color:rgb(87, 103, 108)  
}
```

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, 103, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 103, 108) }
```

Border

The CSS property to change the border of an element to XYZ 11.4875, 12.8094, 16.0544 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, 103, 108) }
```


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

```
.border{ border-color:rgb(87, 103, 108) }
```

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

Here you see how a box with a 4 pixel rgb(87, 103, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 103, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 103, 108);  
box-shadow:4px 4px 4px 4px rgb(87, 103,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 11.4875, 12.8094, 16.0544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 103, 108) }
```

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

```
.background{ background-color: rgb(87, 103,  
108) }
```

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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