

Converting Colors

XYZ(10.3236, 11.8664, 12.6657)

Have a look what the booklet for
XYZ(10.3236, 11.8664, 12.6657)
contains.

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Color

**XYZ(10.2789, 11.8254,
12.5672)**

Conversions

Conversions Part 1

Format	Color
Hex	54645F
RGB	84, 100, 95
RGB Percent	33%, 39%, 37%
CMY	0.6706, 0.6078, 0.6274
CMYK	0.16, 0.00, 0.05, 0.61
HSL	161°, 9%, 36%
HSV	161°, 16%, 39%
XYZ	10.2789, 11.8254, 12.5672
YIQ	94.6460, -7.9310, -4.9470

Conversions

Conversions Part 2

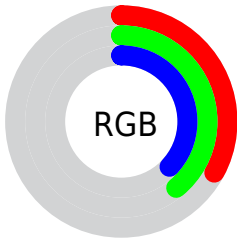
Format	Color
R_{YB}	84, 93, 100
Decimal	5530719
CIE _{Lab}	40.94, -7.20, 0.79
CIE _{LCh}	41, 7.246, 173.734
Yxy	11.8254, 0.2965, 0.3411
Android (android.graphics.Color)	4283720799 (0xFF54645F)
YUV	94.6460, 0.1745, -9.3365
Hunter-Lab	34.3881, -6.8239, 2.4040

Details

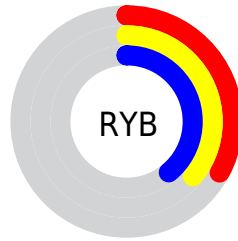
The XYZ color **10.2789, 11.8254, 12.5672** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.2295, 9.7716, 10.7988**, and the grayscale version is **10.7939, 11.3560, 12.3667**.

A 20% lighter version of the original color is **26.0090, 29.2459, 31.0623**, and **2.6642, 3.1993, 3.3828** is the 20% darker color. If you saturate the color by 10%, you get **9.3078, 11.3412, 11.7950**, and if you desaturate by 10%, it is **11.3842, 12.3788, 13.3759**.

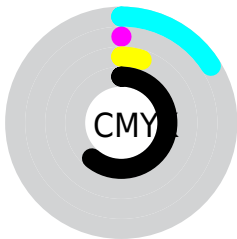
Distribution



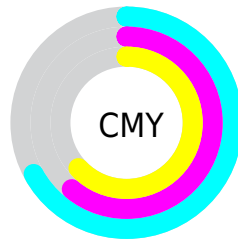
- Red (33%)
- Green (39%)
- Blue (37%)



- Red (33%)
- Yellow (36%)
- Blue (39%)



- Cyan (16%)
- Magenta (0%)
- Yellow (5%)
- Black (61%)



- Cyan (67%)
- Magenta (61%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2789, 11.8254, 12.5672 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 10.2789, 11.8254, 12.5672 by changing the saturation by 10% instead.

■ 10.2789, 11.8254,
12.5672

■ 10.2789, 11.8254,
12.5672

186.6635,
203.2459, 219.2345

■ 5.6479, 6.6249,
7.0040

■ 25.9637, 29.1767,
31.2037

■ 2.6708, 3.2286,
3.3861

■ 37.7483, 42.0963,
45.1141

■ 0.9822, 1.2522,
1.2950

■ 52.6481, 58.3577,
62.6440

■ 0.0000, 0.1038,
0.0577

■ 71.0286, 78.3454,
84.2119

■ 0.0000, 0.0000,
0.0000

■ 93.2550, 102.4436,
110.2364

119.6927,

131.0368, 141.1359

150.7071,
164.5095, 177.3291

■ 10.2789, 11.8254,
12.5672

■ 10.2789, 11.8254,
12.5672

■ 9.3078, 11.3412,
11.7950

■ 11.3842, 12.3788,
13.3759

■ 8.4644, 10.9219,
11.0580

■ 12.6279, 13.0025,
14.2210

■ 7.7433, 10.5649,
10.3557

■ 14.0150, 13.6995,
15.1033

■ 7.1381, 10.2671,
9.6877

■ 15.5503, 14.4722,
16.0233

■ 6.6419, 10.0248,
9.0530

■ 17.2382, 15.3229,
16.9815

■ 6.2471, 9.8342,
8.4512

■ 19.0828, 16.2537,
17.9784

■ 5.9450, 9.6908,
7.8812

■ 21.0883, 17.2667,
19.0146

■ 5.7127, 9.5827,
7.3418

■ 23.2585, 18.3639,
20.0906

■ 5.6236, 9.5413,
7.1338

■ 25.5972, 19.5472,
21.2068

Harmonies

Analogous

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



10.4560, 11.8254, 11.2620



10.2789, 11.8254, 12.5672



10.3528, 11.8254, 14.0578

Triad

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



10.2789, 11.8254, 12.5672



11.6452, 11.8254, 15.6660



11.8389, 11.8254, 10.7112

Complementary

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



10.2789, 11.8254, 12.5672



10.2295, 9.7716, 10.7988

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.



12.1758, 11.8254, 11.7621



10.2789, 11.8254, 12.5672



12.0616, 11.8254, 14.6370

Square

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



10.2789, 11.8254, 12.5672



11.1314, 11.8254, 15.9228



12.2586, 11.8254, 13.1895



11.3487, 11.8254, 10.2447

Rectangle

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



10.2789, 11.8254, 12.5672



10.5356, 11.8254, 14.9491



12.2586, 11.8254, 13.1895



11.9744, 11.8254, 11.0038

Sweetspot

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



10.2792, 11.8259, 12.5675



20.1336, 21.7890, 23.5726



10.2840, 11.8821, 10.1392



4.9284, 5.3485, 5.7822



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



10.2792, 11.8259, 12.5675



17.3882, 20.4157, 21.5427



10.2377, 11.3671, 13.7117



2.8690, 3.1714, 3.4118



7.5092, 12.7673, 9.4430



38.7579, 66.4257, 47.1086

Inverse Universe

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



10.2295, 9.7716, 10.7988



17.2842, 16.1161, 17.8415



10.2590, 10.1554, 9.8072



2.8615, 2.8592, 3.1430



7.3538, 3.7545, 1.9957



37.9987, 19.4395, 8.5367

Previews

White Background



This preview shows how the XYZ color 10.2789, 11.8254, 12.5672 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 10.2789, 11.8254, 12.5672 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 10.2789, 11.8254, 12.5672

Background



This preview shows how black text looks on a background with the XYZ color 10.2789, 11.8254, 12.5672.



This preview shows how white text looks on a background with the XYZ color 10.2789, 11.8254,

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

10.2789, 11.8254, 12.5672

Protanopia

11.3042, 11.8087, 12.0394

Deuteranopia

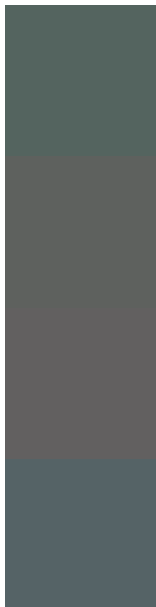
11.9695, 11.7374, 12.7010



Tritanopia

10.8070, 11.7544, 15.3349

Trichromacy



Original Color

10.2789, 11.8254, 12.5672

Protanomaly

10.9112, 11.7372, 12.2801

Deuteranomaly

11.3312, 11.8069, 12.7481

Tritanomaly

10.6064, 11.8143, 14.2917

Monochromacy



Original Color

10.2789, 11.8254, 12.5672

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.6546, 11.5998, 12.5039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2789, 11.8254, 12.5672 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(84, 100, 95) looks like.

```
.text, #text, p{  
    color:rgb(84, 100, 95)  
}
```

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(84, 100, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 100, 95) }
```

Border

The CSS property to change the border of an element to XYZ 10.2789, 11.8254, 12.5672 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(84, 100, 95) }
```


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

```
.border{ border-color:rgb(84, 100, 95) }
```

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

Here you see how a box with a 4 pixel rgb(84, 100, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 100, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 100, 95);  
box-shadow:4px 4px 4px 4px rgb(84, 100,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2789, 11.8254, 12.5672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 100, 95) }
```

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

```
.background{ background-color: rgb(84, 100,  
95) }
```

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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