

Converting Colors

XYZ(12.3290, 14.6117, 12.4632)

Have a look what the booklet for
XYZ(12.3290, 14.6117, 12.4632)
contains.

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Color

**XYZ(12.2763, 14.5389,
12.5152)**

Conversions

Conversions Part 1

Format	Color
Hex	5E6F5D
RGB	94, 111, 93
RGB Percent	37%, 44%, 36%
CMY	0.6314, 0.5647, 0.6353
CMYK	0.15, 0.00, 0.16, 0.56
HSL	117°, 9%, 40%
HSV	117°, 16%, 44%
XYZ	12.2763, 14.5389, 12.5152
YIQ	103.8650, -4.3540, -9.2020

Conversions

Conversions Part 2

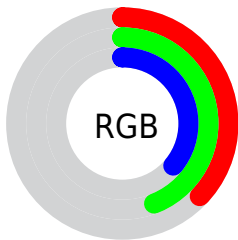
Format	Color
R_{YB}	93, 111, 110
Decimal	6188893
CIE Lab	45.00, -10.17, 7.92
CIE LCh	45, 12.893, 142.081
Yxy	14.5389, 0.3121, 0.3697
Android (android.graphics.Color)	4284378973 (0xFF5E6F5D)
YUV	103.8650, -5.3564, -8.6516
Hunter-Lab	38.1299, -9.2575, 7.2305

Details

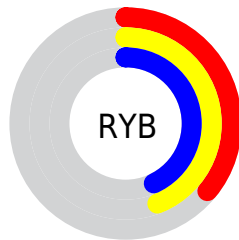
The XYZ color **12.2763, 14.5389, 12.5152** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2147, 12.2919, 16.7158**, and the grayscale version is **13.1370, 13.8212, 15.0513**.

A 20% lighter version of the original color is **29.7322, 34.1973, 31.0203**, and **3.5095, 4.3886, 3.3514** is the 20% darker color. If you saturate the color by 10%, you get **10.8170, 13.8397, 10.0641**, and if you desaturate by 10%, it is **13.9539, 15.3432, 15.3498**.

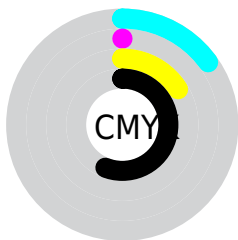
Distribution



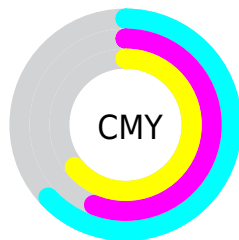
- Red (37%)
- Green (44%)
- Blue (36%)



- Red (36%)
- Yellow (44%)
- Blue (43%)



- Cyan (15%)
- Magenta (0%)
- Yellow (16%)
- Black (56%)



- Cyan (63%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2763, 14.5389, 12.5152 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 12.2763, 14.5389, 12.5152 by changing the saturation by 10% instead.

■ 12.2763, 14.5389,
12.5152

■ 12.2763, 14.5389,
12.5152

199.9588,
220.5581, 218.8844

■ 7.0057, 8.4964,
6.9688

■ 29.6098, 34.0422,
31.1083

■ 3.5120, 4.4142,
3.3644

■ 42.4035, 48.2718,
44.9921

■ 1.4300, 1.9079,
1.2836

■ 58.4355, 65.9993,
62.4922

■ 0.2774, 0.5531,
0.0483

■ 78.0713, 87.6090,
84.0270

■ 0.0000, 0.0000,
0.0000

101.6761,
113.4854, 110.0150

129.6154,

144.0127, 140.8749

162.2545,
179.5755, 177.0252

■ 12.2763, 14.5389,
12.5152

■ 12.2763, 14.5389,
12.5152

■ 10.8170, 13.8397,
10.0641

■ 13.9539, 15.3432,
15.3498

■ 9.5658, 13.2396,
7.9790

■ 15.8570, 16.2546,
18.5822

■ 8.5136, 12.7345,
6.2428

■ 17.9938, 17.2778,
22.2275

■ 7.6502, 12.3196,
4.8364

■ 20.3721, 18.4161,
26.2994

■ 6.9643, 11.9896,
3.7389

■ 22.9989, 19.6732,
30.8111

■ 6.4436, 11.7387,
2.9270

■ 25.8813, 21.0522,
35.7752

■ 6.0742, 11.5601,
2.3744

■ 29.0259, 22.5564,
41.2038

■ 5.8345, 11.4440,
2.0220

■ 32.4390, 24.1888,
47.1086

■ 5.7619, 11.4093,
1.8985

■ 36.1269, 25.9523,
53.5009

Harmonies

Analogous

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



13.0686, 14.5389, 11.0250



12.2763, 14.5389, 12.5152



11.9015, 14.5389, 15.0417

Triad

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



12.2763, 14.5389, 12.5152



13.5406, 14.5389, 22.3256



15.7895, 14.5389, 13.7411

Complementary

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



12.2763, 14.5389, 12.5152



13.2147, 12.2919, 16.7158

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.



15.9317, 14.5389, 16.6462



12.2763, 14.5389, 12.5152



14.5972, 14.5389, 21.8616

Square

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



12.2763, 14.5389, 12.5152



12.6067, 14.5389, 20.8819



15.4854, 14.5389, 19.6847



15.1061, 14.5389, 11.6673

Rectangle

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



12.2763, 14.5389, 12.5152



11.9247, 14.5389, 17.0804



15.4854, 14.5389, 19.6847



15.9035, 14.5389, 14.6429

Sweetspot

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



12.2767, 14.5395, 12.5155



25.3342, 27.6401, 28.0759



14.0864, 15.2794, 12.5629



6.0441, 6.6201, 6.6733



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.2767, 14.5395, 12.5155



21.0775, 25.6004, 20.8871



12.5383, 14.6324, 14.4246



3.3606, 3.7713, 3.6241



6.7817, 13.4398, 2.2367



33.5448, 66.8270, 11.1309

Inverse Universe

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



13.2147, 12.2919, 16.7158



23.0546, 20.8622, 29.7415



12.9287, 12.1919, 14.5571



3.4970, 3.4445, 4.2348



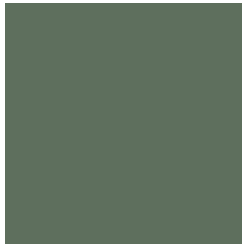
10.2166, 4.8763, 18.1243



50.6498, 24.1653, 90.2740

Previews

White Background



This preview shows how the XYZ color 12.2763, 14.5389, 12.5152 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 12.2763, 14.5389, 12.5152 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

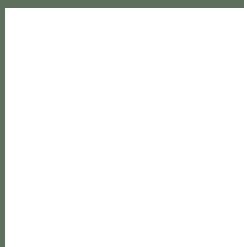
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2763, 14.5389, 12.5152

Background



This preview shows how black text looks on a background with the XYZ color 12.2763, 14.5389, 12.5152.



This preview shows how white text looks on a background with the XYZ color 12.2763, 14.5389,

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

12.2763, 14.5389, 12.5152

Protanopia

13.6816, 14.4910, 11.7488

Deuteranopia

14.7021, 14.3939, 12.8299



Tritanopia

13.5520, 14.5827, 18.6235

Trichromacy



Original Color

12.2763, 14.5389, 12.5152

Protanomaly

13.0766, 14.4837, 12.0040

Deuteranomaly

13.6275, 14.2908, 12.6298

Tritanomaly

13.1052, 14.5614, 16.3073

Monochromacy



Original Color

12.2763, 14.5389, 12.5152

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8135, 14.1448, 14.1115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2763, 14.5389, 12.5152 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, 111, 93) looks like.

```
.text, #text, p{  
    color:rgb(94, 111, 93)  
}
```

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, 111, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 111, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.2763, 14.5389, 12.5152 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, 111, 93) }
```


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

```
.border{ border-color:rgb(94, 111, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 111, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 111, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 111, 93);  
box-shadow:4px 4px 4px 4px rgb(94, 111,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2763, 14.5389, 12.5152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 111, 93) }
```

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

```
.background{ background-color: rgb(94, 111,  
93) }
```

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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