

Converting Colors

XYZ(12.9056, 12.2867, 11.7741)

Have a look what the booklet for
XYZ(12.9056, 12.2867, 11.7741)
contains.

XYZ(12.9163, 12.2462, 11.8082)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.9163, 12.2462,
11.8082)**

Conversions

Conversions Part 1

Format	Color
Hex	735D5C
RGB	115, 93, 92
RGB Percent	45%, 36%, 36%
CMY	0.5490, 0.6353, 0.6392
CMYK	0.00, 0.19, 0.20, 0.55
HSL	3°, 11%, 41%
HSV	3°, 20%, 45%
XYZ	12.9163, 12.2462, 11.8082
YIQ	99.4640, 13.4330, 4.3530

Conversions

Conversions Part 2

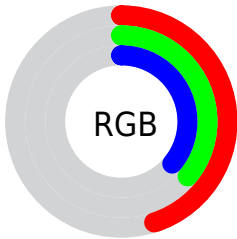
Format	Color
R_{YB}	115, 93, 92
Decimal	7560540
CIE Lab	41.60, 8.76, 3.94
CIE LCh	42, 9.611, 24.221
Yxy	12.2462, 0.3494, 0.3312
Android (android.graphics.Color)	4285750620 (0xFF735D5C)
YUV	99.4640, -3.6798, 13.6251
Hunter-Lab	34.9946, 4.6429, 4.4900

Details

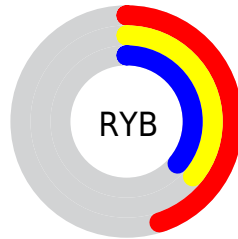
The XYZ color **12.9163, 12.2462, 11.8082** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.5253, 15.5473, 18.5078**, and the grayscale version is **11.9838, 12.6079, 13.7300**.

A 20% lighter version of the original color is **30.6413, 29.8134, 29.7308**, and **3.7564, 3.3885, 3.0408** is the 20% darker color. If you saturate the color by 10%, you get **11.5544, 10.2666, 9.0594**, and if you desaturate by 10%, it is **14.4941, 14.5352, 15.0058**.

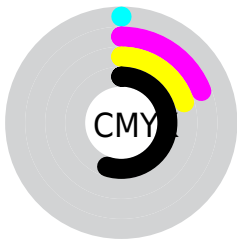
Distribution



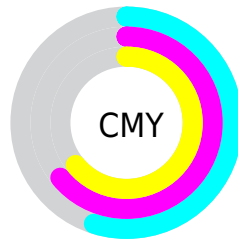
- Red (45%)
- Green (36%)
- Blue (36%)



- Red (45%)
- Yellow (36%)
- Blue (36%)



- Cyan (0%)
- Magenta (19%)
- Yellow (20%)
- Black (55%)



- Cyan (55%)
- Magenta (64%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9163, 12.2462, 11.8082 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 12.9163, 12.2462, 11.8082 by changing the saturation by 10% instead.

■ 12.9163, 12.2462,
11.8082

■ 12.9163, 12.2462,
11.8082

204.0290,
206.0285, 214.0640

■ 7.4475, 6.9116,
6.4923

■ 30.7559, 29.9427,
29.8044

■ 3.7923, 3.4069,
3.0731

■ 43.8575, 43.0734,
43.3218

■ 1.5853, 1.3477,
1.1321

■ 60.2341, 59.5716,
60.4101

■ 0.3828, 0.1777,
0.0000

■ 80.2510, 79.8216,
81.4879

■ 0.0000, 0.0000,
0.0000

104.2735,
104.2079, 106.9736

132.6672,

133.1149, 137.2858

165.7972,
166.9270, 172.8431

■ 12.9163, 12.2462,
11.8082

■ 12.9163, 12.2462,
11.8082

■ 11.5544, 10.2666,
9.0594

■ 14.4941, 14.5352,
15.0058

■ 10.3980, 8.5816,
6.7387

■ 16.2956, 17.1443,
18.6702

■ 9.4375, 7.1776,
4.8247

■ 18.3293, 20.0858,
22.8194

■ 8.6620, 6.0393,
3.2940

■ 20.6032, 23.3708,
27.4701

■ 8.0596, 5.1500,
2.1208

■ 23.1246, 27.0098,
32.6384

■ 7.6170, 4.4910,
1.2760

■ 25.9009, 31.0131,
38.3396

■ 7.3190, 4.0411,
0.7263

■ 28.9387, 35.3904,
44.5882

■ 7.1246, 3.7536,
0.3490

■ 32.2448, 40.1510,
51.3983

■ 7.1246, 3.7536,
0.3490

■ 35.8255, 45.3040,
58.7835

Harmonies

Analogous

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



13.0368, 12.2462, 13.7276



12.9163, 12.2462, 11.8082



12.4479, 12.2462, 10.4337

Triad

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



12.9163, 12.2462, 11.8082



10.5772, 12.2462, 11.1965



11.5041, 12.2462, 17.5679

Complementary

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



12.9163, 12.2462, 11.8082



13.5253, 15.5473, 18.5078

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.



10.8672, 12.2462, 16.7274



12.9163, 12.2462, 11.8082



10.3460, 12.2462, 12.9480

Square

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



12.9163, 12.2462, 11.8082



11.0939, 12.2462, 10.1062



10.4500, 12.2462, 14.9859



12.2030, 12.2462, 17.1849

Rectangle

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



12.9163, 12.2462, 11.8082



12.0111, 12.2462, 9.9451



10.4500, 12.2462, 14.9859



11.2760, 12.2462, 17.4167

Sweetspot

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



12.9166, 12.2468, 11.8085



27.1456, 27.7539, 29.2909



13.9480, 12.5195, 17.6707



6.4397, 6.5686, 6.9141



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.9166, 12.2468, 11.8085



21.9530, 20.2208, 18.7678



13.9793, 14.3720, 12.1627



3.6956, 3.7241, 3.8663



8.1407, 4.2826, 0.3976



39.5069, 20.5423, 1.8828

Inverse Universe

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



13.5253, 15.5473, 18.5078



23.2533, 27.2728, 33.0831



12.3320, 13.1608, 18.1100



3.7703, 4.1293, 4.6885



9.9068, 14.1533, 20.7523



48.1096, 68.6357, 101.0727

Previews

White Background



This preview shows how the XYZ color 12.9163, 12.2462, 11.8082 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 12.9163, 12.2462, 11.8082 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 12.9163, 12.2462, 11.8082

Background



This preview shows how black text looks on a background with the XYZ color 12.9163, 12.2462, 11.8082.



This preview shows how white text looks on a background with the XYZ color 12.9163, 12.2462,

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

12.9163, 12.2462, 11.8082

Protanopia

11.8001, 12.3283, 12.5841

Deuteranopia

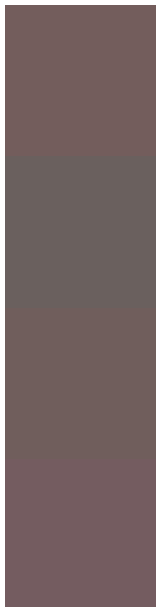
12.4544, 12.2721, 11.8376



Tritanopia

13.2817, 12.2681, 13.4723

Trichromacy



Original Color

12.9163, 12.2462, 11.8082

Protanomaly

12.1471, 12.2381, 12.3116

Deuteranomaly

12.6166, 12.2229, 11.8195

Tritanomaly

13.1409, 12.2118, 12.7308

Monochromacy



Original Color

12.9163, 12.2462, 11.8082

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.2117, 12.3972, 12.8156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9163, 12.2462, 11.8082 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(115, 93, 92)` looks like.

```
.text, #text, p{  
    color:rgb(115, 93, 92)  
}
```

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(115, 93, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 93, 92) }
```

Border

The CSS property to change the border of an element to XYZ 12.9163, 12.2462, 11.8082 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(115, 93, 92) }
```


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

```
.border{ border-color:rgb(115, 93, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 93, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 93, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 93, 92);  
box-shadow:4px 4px 4px 4px rgb(115, 93,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9163, 12.2462, 11.8082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 93, 92) }
```

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

```
.background{ background-color: rgb(115, 93,  
92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor