

Converting Colors

XYZ(12.2245, 12.6559, 12.5665)

Have a look what the booklet for
XYZ(12.2245, 12.6559, 12.5665)
contains.

XYZ(12.2363, 12.6930, 12.6315)	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(12.2363, 12.6930,
12.6315)**

Conversions

Conversions Part 1

Format	Color
Hex	68635F
RGB	104, 99, 95
RGB Percent	41%, 39%, 37%
CMY	0.5922, 0.6118, 0.6274
CMYK	0.00, 0.05, 0.09, 0.59
HSL	27°, 5%, 39%
HSV	27°, 9%, 41%
XYZ	12.2363, 12.6930, 12.6315
YIQ	100.0390, 4.2640, -0.1840

Conversions

Conversions Part 2

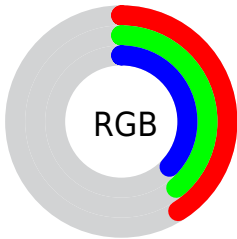
Format	Color
R_{YB}	104, 102, 95
Decimal	6841183
CIE Lab	42.30, 1.19, 2.97
CIE LCh	42, 3.198, 68.187
Yxy	12.6930, 0.3258, 0.3379
Android (android.graphics.Color)	4285031263 (0xFF68635F)
YUV	100.0390, -2.4842, 3.4738
Hunter-Lab	35.6272, -1.0412, 3.9180

Details

The XYZ color **12.2363, 12.6930, 12.6315** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.7750, 12.5463, 14.8978**, and the grayscale version is **12.1287, 12.7604, 13.8961**.

A 20% lighter version of the original color is **29.5347, 30.8256, 31.1813**, and **3.5148, 3.6378, 3.4226** is the 20% darker color. If you saturate the color by 10%, you get **11.2672, 11.4615, 10.1298**, and if you desaturate by 10%, it is **13.3084, 14.0292, 15.4793**.

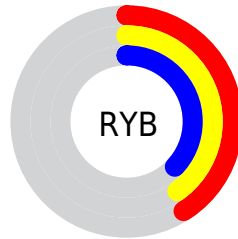
Distribution



Red (41%)

Green (39%)

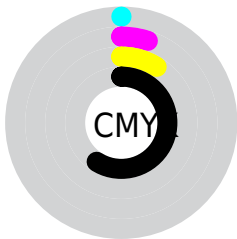
Blue (37%)



Red (41%)

Yellow (40%)

Blue (37%)

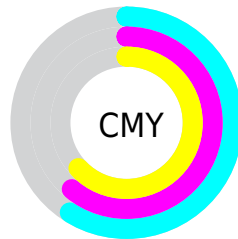


Cyan (0%)

Magenta (5%)

Yellow (9%)

Black (59%)



Cyan (59%)

Magenta (61%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2363, 12.6930, 12.6315 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 12.2363, 12.6930, 12.6315 by changing the saturation by 10% instead.

■ 12.2363, 12.6930,
12.6315

■ 12.2363, 12.6930,
12.6315

199.7016,
208.9407, 219.6666

■ 6.9782, 7.2175,
7.0476

■ 29.5379, 30.7511,
31.3216

■ 3.4947, 3.5985,
3.4130

■ 42.3120, 44.1025,
45.2648

■ 1.4204, 1.4516,
1.3092

■ 58.3223, 60.8480,
62.8315

■ 0.2707, 0.2543,
0.0693

■ 77.9339, 81.3720,
84.4403

■ 0.0000, 0.0000,
0.0000

101.5123,
106.0589, 110.5096

129.4228,

135.2930, 141.4581

162.0308,
169.4588, 177.7042

■ 12.2363, 12.6930,
12.6315

■ 12.2363, 12.6930,
12.6315

■ 11.2672, 11.4615,
10.1298

■ 13.3084, 14.0292,
15.4793

■ 10.3968, 10.3303,
7.9600

■ 14.4855, 15.4709,
18.6850

■ 9.6218, 9.2972,
6.1082

■ 15.7710, 17.0210,
22.2608

■ 8.9386, 8.3595,
4.5591

■ 17.1678, 18.6819,
26.2181

■ 8.3433, 7.5140,
3.2962

■ 18.6786, 20.4559,
30.5680

■ 7.8313, 6.7576,
2.3013

■ 20.3060, 22.3451,
35.3207

■ 7.3982, 6.0867,
1.5542

■ 22.0527, 24.3517,
40.4866

■ 7.0383, 5.4976,
1.0316

■ 23.9211, 26.4778,
46.0752

■ 6.7343, 4.9816,
0.6468

■ 25.9137, 28.7253,
52.0959

Harmonies

Analogous

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



12.4300, 12.6930, 13.0208



12.2363, 12.6930, 12.6315



11.9988, 12.6930, 12.5554

Triad

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



12.2363, 12.6930, 12.6315



11.6141, 12.6930, 14.0092



12.3514, 12.6930, 14.8836

Complementary

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



12.2363, 12.6930, 12.6315



11.7750, 12.5463, 14.8978

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.



12.1300, 12.6930, 15.1679



12.2363, 12.6930, 12.6315



11.7058, 12.6930, 14.6523

Square

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



12.2363, 12.6930, 12.6315



11.6417, 12.6930, 13.3361



11.8940, 12.6930, 15.0819



12.4971, 12.6930, 14.3166

Rectangle

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



12.2363, 12.6930, 12.6315



11.8480, 12.6930, 12.6900



11.8940, 12.6930, 15.0819



12.2832, 12.6930, 15.0163

Sweetspot

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



12.2367, 12.6936, 12.6318



22.4927, 23.5520, 24.8672



12.1063, 12.0496, 13.7698



5.4561, 5.7068, 5.9831



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.2367, 12.6936, 12.6318



21.1791, 21.9055, 21.4059



12.6647, 13.5496, 12.7744



2.9203, 3.0280, 3.0050



8.2227, 5.9985, 0.7244



42.0387, 29.5914, 3.4960

Inverse Universe

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



11.7750, 12.5463, 14.8978



20.2268, 21.6017, 26.0806



11.3646, 11.7254, 14.7610



2.8069, 2.9918, 3.5615



4.8976, 4.8669, 16.8256



24.6607, 23.6180, 87.4604

Previews

White Background



This preview shows how the XYZ color 12.2363, 12.6930, 12.6315 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 12.2363, 12.6930, 12.6315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

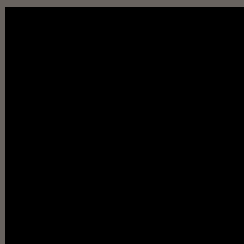
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

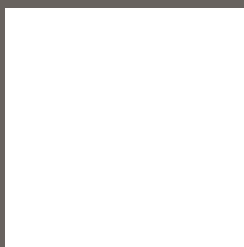
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2363, 12.6930, 12.6315

Background



This preview shows how black text looks on a background with the XYZ color 12.2363, 12.6930, 12.6315.



This preview shows how white text looks on a background with the XYZ color 12.2363, 12.6930,

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

12.2363, 12.6930, 12.6315

Protanopia

12.1209, 12.6335, 12.6261

Deuteranopia

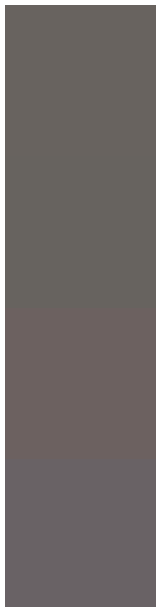
12.8497, 12.5898, 12.8191



Tritanopia

12.6502, 12.5726, 15.1246

Trichromacy



Original Color

12.2363, 12.6930, 12.6315

Protanomaly

12.1209, 12.6335, 12.6261

Deuteranomaly

12.5704, 12.5821, 12.8324

Tritanomaly

12.5423, 12.6782, 14.0980

Monochromacy



Original Color

12.2363, 12.6930, 12.6315

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1286, 12.7629, 13.3795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2363, 12.6930, 12.6315 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(104, 99, 95)` looks like.

```
.text, #text, p{  
    color:rgb(104, 99, 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(104, 99, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 99, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.2363, 12.6930, 12.6315 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(104, 99, 95) }
```


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

```
.border{ border-color:rgb(104, 99, 95) }
```

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

Here you see how a box with a 4 pixel rgb(104, 99, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 99, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 99, 95);  
box-shadow:4px 4px 4px 4px rgb(104, 99,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2363, 12.6930, 12.6315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 99, 95) }
```

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

```
.background{ background-color: rgb(104, 99,  
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](#).

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