

Converting Colors

XYZ(11.9979, 12.6193, 10.9973)

Have a look what the booklet for
XYZ(11.9979, 12.6193, 10.9973)
contains.

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Color

**XYZ(12.0490, 12.6315,
11.0356)**

Conversions

Conversions Part 1

Format	Color
Hex	696358
RGB	105, 99, 88
RGB Percent	41%, 39%, 35%
CMY	0.5882, 0.6118, 0.6549
CMYK	0.00, 0.06, 0.16, 0.59
HSL	39°, 9%, 38%
HSV	39°, 16%, 41%
XYZ	12.0490, 12.6315, 11.0356
YIQ	99.5400, 7.1070, -2.1490

Conversions

Conversions Part 2

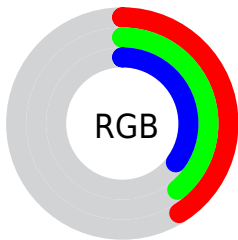
Format	Color
R_{YB}	97, 105, 88
Decimal	6906712
CIE _{Lab}	42.20, 0.30, 7.10
CIE _{LCh}	42, 7.107, 87.580
Yxy	12.6315, 0.3374, 0.3537
Android (android.graphics.Color)	4285096792 (0xFF696358)
YUV	99.5400, -5.6892, 4.7884
Hunter-Lab	35.5408, -1.6816, 6.4687

Details

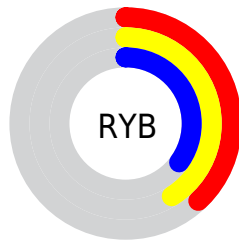
The XYZ color **12.0490, 12.6315, 11.0356** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.5770, 11.0999, 14.9498**, and the grayscale version is **12.0091, 12.6346, 13.7590**.

A 20% lighter version of the original color is **29.2041, 30.7156, 28.4342**, and **3.4541, 3.6202, 2.8022** is the 20% darker color. If you saturate the color by 10%, you get **11.3022, 11.7844, 8.7932**, and if you desaturate by 10%, it is **12.8753, 13.5370, 13.6140**.

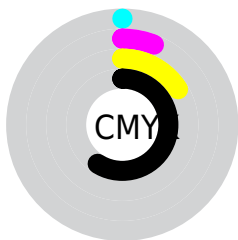
Distribution



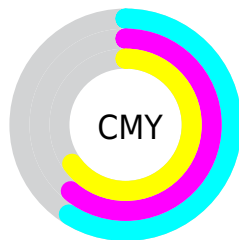
- Red (41%)
- Green (39%)
- Blue (35%)



- Red (38%)
- Yellow (41%)
- Blue (35%)



- Cyan (0%)
- Magenta (6%)
- Yellow (16%)
- Black (59%)



- Cyan (59%)
- Magenta (61%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0490, 12.6315, 11.0356 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 12.0490, 12.6315, 11.0356 by changing the saturation by 10% instead.

■ 12.0490, 12.6315,
11.0356

■ 12.0490, 12.6315,
11.0356

198.4927,
208.5423, 208.6578

■ 6.8495, 7.1753,
5.9763

■ 29.2004, 30.6402,
28.3636

■ 3.4136, 3.5720,
2.7621

■ 41.8830, 43.9614,
41.4695

■ 1.3761, 1.4371,
0.9745

■ 57.7907, 60.6731,
58.0946

■ 0.2391, 0.2439,
0.0000

■ 77.2888, 81.1596,
78.6574

■ 0.0000, 0.0000,
0.0000

■ 100.7427,
105.8054, 103.5767

128.5178,

134.9949, 133.2708

160.9793,
169.1124, 168.1583

■ 12.0490, 12.6315,
11.0356

■ 12.0490, 12.6315,
11.0356

■ 11.3022, 11.7844,
8.7932

■ 12.8753, 13.5370,
13.6140

■ 10.6309, 10.9925,
6.8718

■ 13.7827, 14.5006,
16.5408

■ 10.0325, 10.2549,
5.2565

■ 14.7743, 15.5244,
19.8288

■ 9.5035, 9.5698,
3.9311

■ 15.8523, 16.6094,
23.4899

■ 9.0405, 8.9354,
2.8776

■ 17.0192, 17.7571,
27.5356

■ 8.6393, 8.3497,
2.0760

■ 18.2773, 18.9686,
31.9767

■ 8.2956, 7.8106,
1.5039

■ 19.6286, 20.2452,
36.8236

■ 7.9983, 7.3133,
1.1049

■ 21.0753, 21.5878,
42.0865

■ 7.8901, 7.1319,
0.9607

■ 22.6193, 22.9978,
47.7750

Harmonies

Analogous

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



12.5613, 12.6315, 11.4313



12.0490, 12.6315, 11.0356



11.5396, 12.6315, 11.3225

Triad

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



12.0490, 12.6315, 11.0356



11.1240, 12.6315, 15.1514



12.8880, 12.6315, 15.3805

Complementary

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



12.0490, 12.6315, 11.0356



10.5770, 11.0999, 14.9498

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.



12.4845, 12.6315, 16.5098



12.0490, 12.6315, 11.0356



11.4671, 12.6315, 16.3708

Square

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



12.0490, 12.6315, 11.0356



11.0150, 12.6315, 13.6305



11.9628, 12.6315, 16.8847



13.0545, 12.6315, 13.8773

Rectangle

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



12.0490, 12.6315, 11.0356



11.2682, 12.6315, 11.8750



11.9628, 12.6315, 16.8847



12.7750, 12.6315, 15.8205

Sweetspot

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



12.0493, 12.6321, 11.0359



23.2177, 24.4150, 24.8959



11.3465, 10.7952, 12.1305



5.4202, 5.6993, 5.7728



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.



12.0493, 12.6321, 11.0359



21.1111, 22.0982, 18.3471



12.3762, 13.6757, 11.2201



3.2477, 3.4127, 3.3050



9.9550, 8.9596, 1.2047



49.8864, 43.9763, 5.8590

Inverse Universe

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



10.5770, 11.0999, 14.9498



17.9983, 18.8592, 26.6226



10.2821, 10.1866, 14.7890



3.0277, 3.1837, 3.8898



4.0349, 2.9042, 17.2702



19.8085, 13.2956, 87.7485

Previews

White Background



This preview shows how the XYZ color 12.0490, 12.6315, 11.0356 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 12.0490, 12.6315, 11.0356 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 12.0490, 12.6315, 11.0356

Background



This preview shows how black text looks on a background with the XYZ color 12.0490, 12.6315, 11.0356.

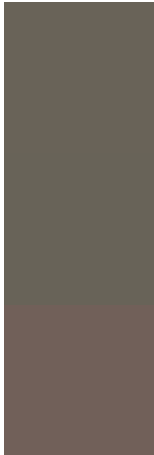


This preview shows how white text looks on a background with the XYZ color 12.0490, 12.6315,

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

12.0490, 12.6315, 11.0356

Protanopia

11.9322, 12.5713, 11.0301

Deuteranopia

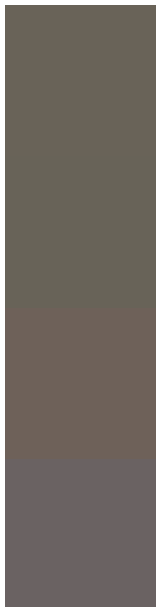
12.7961, 12.5977, 11.2084



Tritanopia

12.8368, 12.6747, 14.8666

Trichromacy



Original Color

12.0490, 12.6315, 11.0356

Protanomaly

11.9322, 12.5713, 11.0301

Deuteranomaly

12.5083, 12.5857, 11.2212

Tritanomaly

12.5161, 12.6814, 13.3434

Monochromacy



Original Color

12.0490, 12.6315, 11.0356

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1480, 12.7837, 12.8936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0490, 12.6315, 11.0356 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(105, 99, 88)` looks like.

```
.text, #text, p{  
    color:rgb(105, 99, 88)  
}
```

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(105, 99, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 99, 88) }
```

Border

The CSS property to change the border of an element to XYZ 12.0490, 12.6315, 11.0356 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(105, 99, 88) }
```


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

```
.border{ border-color:rgb(105, 99, 88) }
```

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

Here you see how a box with a 4 pixel rgb(105, 99, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 99, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 99, 88);  
box-shadow:4px 4px 4px 4px rgb(105, 99,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0490, 12.6315, 11.0356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 99, 88) }
```

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

```
.background{ background-color: rgb(105, 99,  
88) }
```

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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