

Converting Colors

XYZ(12.1116, 12.7956, 11.5043)

Have a look what the booklet for
XYZ(12.1116, 12.7956, 11.5043)
contains.

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Color

**XYZ(12.1116, 12.7956,
11.5043)**

Conversions

Conversions Part 1

Format	Color
Hex	68645A
RGB	104, 100, 90
RGB Percent	41%, 39%, 35%
CMY	0.5922, 0.6078, 0.6471
CMYK	0.00, 0.04, 0.13, 0.59
HSL	43°, 7%, 38%
HSV	43°, 13%, 41%
XYZ	12.1116, 12.7956, 11.5043
YIQ	100.0560, 5.5940, -2.2620

Conversions

Conversions Part 2

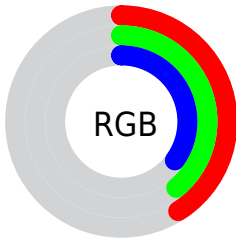
Format	Color
RYB	96, 104, 90
Decimal	6841434
CIELab	42.45, -0.35, 6.23
CIElCh	42, 6.241, 93.191
Yxy	12.7956, 0.3326, 0.3514
Android (android.graphics.Color)	4285031514 (0xFF68645A)
YUV	100.0560, -4.9576, 3.4589
Hunter-Lab	35.7709, -2.1612, 5.9714

Details

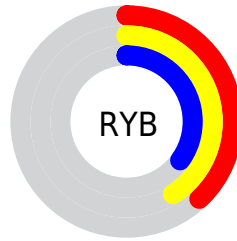
The XYZ color **12.1116, 12.7956, 11.5043** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.7179, 11.1784, 14.6897**, and the grayscale version is **12.1390, 12.7711, 13.9078**.

A 20% lighter version of the original color is **29.3178, 30.9952, 29.2484**, and **3.4151, 3.5979, 2.8973** is the 20% darker color. If you saturate the color by 10%, you get **11.4200, 12.0718, 9.2405**, and if you desaturate by 10%, it is **12.8763, 13.5661, 14.0984**.

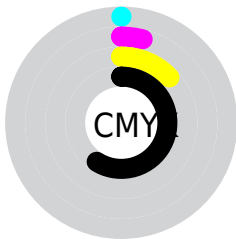
Distribution



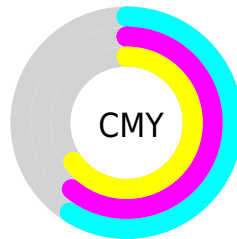
- Red (41%)
- Green (39%)
- Blue (35%)



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



- Cyan (0%)
- Magenta (4%)
- Yellow (13%)
- Black (59%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1116, 12.7956, 11.5043 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 12.1116, 12.7956, 11.5043 by changing the saturation by 10% instead.

■ 12.1116, 12.7956,
11.5043

■ 12.1116, 12.7956,
11.5043

198.8976,
209.6035, 211.9555

■ 6.8925, 7.2879,
6.2887

■ 29.3133, 30.9361,
29.2398

■ 3.4407, 3.6428,
2.9498

■ 42.0266, 44.3377,
42.5967

■ 1.3909, 1.4758,
1.0691

■ 57.9686, 61.1394,
59.5046

■ 0.2497, 0.2716,
0.0000

■ 77.5047, 81.7257,
80.3818

■ 0.0000, 0.0000,
0.0000

101.0004,
106.4808, 105.6469

128.8208,

135.7892, 135.7186

161.3314,
170.0353, 171.0153

■ 12.1116, 12.7956,
11.5043

■ 12.1116, 12.7956,
11.5043

■ 11.4200, 12.0718,
9.2405

■ 12.8763, 13.5661,
14.0984

■ 10.7977, 11.3918,
7.2927

■ 13.7155, 14.3827,
17.0348

■ 10.2423, 10.7548,
5.6467

■ 14.6319, 15.2472,
20.3257

■ 9.7506, 10.1594,
4.2869

■ 15.6279, 16.1607,
23.9826

■ 9.3194, 9.6040,
3.1963

■ 16.7056, 17.1242,
28.0165

■ 8.9449, 9.0871,
2.3562

■ 17.8671, 18.1386,
32.4378

■ 8.6231, 8.6068,
1.7454

■ 19.1144, 19.2049,
37.2566

■ 8.3474, 8.1603,
1.3304

■ 20.4494, 20.3241,
42.4826

■ 8.1779, 7.8808,
1.0901

■ 21.8740, 21.4971,
48.1252

Harmonies

Analogous

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



12.5740, 12.7956, 11.7473



12.1116, 12.7956, 11.5043



11.6737, 12.7956, 11.8764

Triad

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



12.1116, 12.7956, 11.5043



11.4210, 12.7956, 15.3978



12.9865, 12.7956, 15.1326

Complementary

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



12.1116, 12.7956, 11.5043



10.7179, 11.1784, 14.6897

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.



12.6633, 12.7956, 16.2126



12.1116, 12.7956, 11.5043



11.7587, 12.7956, 16.3725

Square

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



12.1116, 12.7956, 11.5043



11.2816, 12.7956, 14.0768



12.2122, 12.7956, 16.6798



13.0868, 12.7956, 13.7887

Rectangle

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



12.1116, 12.7956, 11.5043



11.4525, 12.7956, 12.4382



12.2122, 12.7956, 16.6798



12.8999, 12.7956, 15.5414

Sweetspot

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



12.1119, 12.7962, 11.5046



22.4987, 23.7097, 24.4197



11.3947, 11.0673, 12.1726



5.4687, 5.7643, 5.8875



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.



12.1119, 12.7962, 11.5046



20.8731, 22.0613, 18.9366



12.1852, 13.4173, 11.6206



2.9776, 3.1426, 3.0241



10.0531, 9.6594, 1.3346



51.6603, 48.8344, 6.7032

Inverse Universe

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



10.7179, 11.1784, 14.6897



17.9423, 18.6604, 25.6332



10.6490, 10.6287, 14.5872



2.7506, 2.8792, 3.5427



3.6177, 2.3071, 16.3990



18.2040, 10.7046, 85.3081

Previews

White Background



This preview shows how the XYZ color 12.1116, 12.7956, 11.5043 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 12.1116, 12.7956, 11.5043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

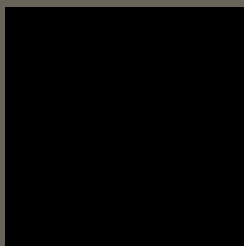
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

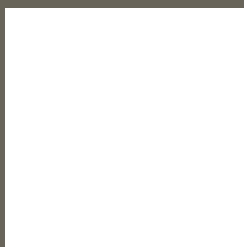
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1116, 12.7956, 11.5043

Background



This preview shows how black text looks on a background with the XYZ color 12.1116, 12.7956, 11.5043.

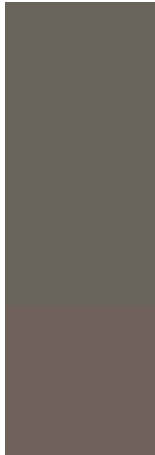


This preview shows how white text looks on a background with the XYZ color 12.1116, 12.7956,

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

12.1116, 12.7956, 11.5043

Protanopia

12.1116, 12.7956, 11.5043

Deuteranopia

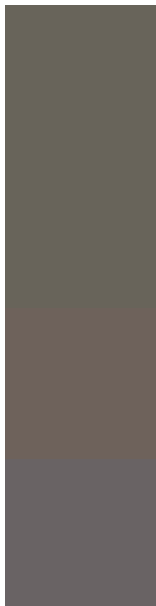
12.9731, 12.8154, 11.6874



Tritanopia

12.8613, 12.8195, 15.1611

Trichromacy



Original Color

12.1116, 12.7956, 11.5043

Protanomaly

12.1116, 12.7956, 11.5043

Deuteranomaly

12.6864, 12.8057, 11.7006

Tritanomaly

12.5878, 12.8470, 13.8729

Monochromacy



Original Color

12.1116, 12.7956, 11.5043

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0353, 12.7256, 12.8883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1116, 12.7956, 11.5043 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, 100, 90)` looks like.

```
.text, #text, p{  
    color:rgb(104, 100, 90)  
}
```

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, 100, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 100, 90) }
```

Border

The CSS property to change the border of an element to XYZ 12.1116, 12.7956, 11.5043 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, 100, 90) }
```


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

```
.border{ border-color:rgb(104, 100, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 100, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 100, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 100, 90);  
box-shadow:4px 4px 4px 4px rgb(104, 100,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1116, 12.7956, 11.5043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 100, 90) }
```

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

```
.background{ background-color: rgb(104,  
100, 90) }
```

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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