

Converting Colors

XYZ(39.8293, 27.9354, 12.9386)

Have a look what the booklet for
XYZ(39.8293, 27.9354, 12.9386)
contains.

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Color

**XYZ(39.9545, 28.0352,
12.9784)**

Conversions

Conversions Part 1

Format	Color
Hex	E76A5A
RGB	231, 106, 90
RGB Percent	91%, 42%, 35%
CMY	0.0941, 0.5843, 0.6471
CMYK	0.00, 0.54, 0.61, 0.09
HSL	7°, 75%, 63%
HSV	7°, 61%, 91%
XYZ	39.9545, 28.0352, 12.9784
YIQ	141.5510, 79.6360, 21.5240

Conversions

Conversions Part 2

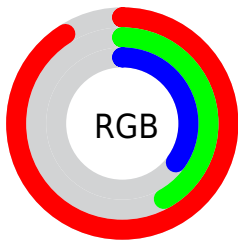
Format	Color
R_{YB}	231, 108, 90
Decimal	15166042
CIE _{Lab}	59.92, 47.31, 32.47
CIE _{LCh}	60, 57.379, 34.463
Yxy	28.0352, 0.4935, 0.3462
Android (android.graphics.Color)	4293356122 (0xFFE76A5A)
YUV	141.5510, -25.4146, 78.4468
Hunter-Lab	52.9483, 42.0357, 22.5309

Details

The XYZ color **39.9545, 28.0352, 12.9784** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **42.9389, 56.5404, 84.2511**, and the grayscale version is **25.6099, 26.9436, 29.3416**.

A 20% lighter version of the original color is **58.5444, 48.2951, 31.0472**, and **18.3053, 11.2741, 3.5942** is the 20% darker color. If you saturate the color by 10%, you get **37.2554, 23.9737, 7.9585**, and if you desaturate by 10%, it is **43.4642, 33.2295, 19.7758**.

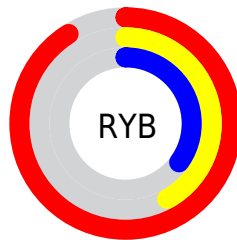
Distribution



Red (91%)

Green (42%)

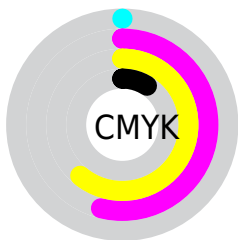
Blue (35%)



Red (91%)

Yellow (42%)

Blue (35%)

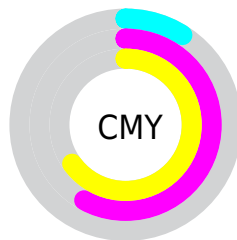


Cyan (0%)

Magenta (54%)

Yellow (61%)

Black (9%)



Cyan (9%)


Magenta (58%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9545, 28.0352, 12.9784 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 39.9545, 28.0352, 12.9784 by changing the saturation by 10% instead.


 39.9545, 28.0352,
12.9784


 39.9545, 28.0352,
12.9784


337.0695,
292.6351, 221.9822


 27.6871, 18.3522,
7.2831


 74.3790, 56.5406,
31.9556

 18.2292, 11.2031,
3.5587


 97.2668, 76.1319,
46.0746

 11.2153, 6.2036,
1.3865


 124.4255, 99.7946,
63.8386

 6.2802, 2.9693,
0.1312

 156.2205,
127.9133, 85.6661

 3.0585, 1.1157,
0.0000

193.0170,
160.8723, 111.9756

 1.1848, 0.0000,
0.0000

235.1804,

 0.0943, 0.0000,

199.0560, 143.1858

0.0000

283.0761,
242.8488, 179.7151

■ 0.0000, 0.0000,
0.0000

■ 39.9545, 28.0352,
12.9784

■ 39.9545, 28.0352,
12.9784

■ 37.2554, 23.9737,
7.9585

■ 43.4642, 33.2295,
19.7758

■ 35.2990, 20.9558,
4.5478

■ 47.8410, 39.6280,
28.4950

■ 34.0097, 18.8864,
2.5480

■ 53.1385, 47.3016,
39.2674

■ 33.3292, 17.7376,
1.6671

■ 59.4055, 56.3143,
52.2123

■ 66.6873, 66.7257,
67.4397

■ 75.0262, 78.5921,
85.0524

■ 84.4623, 91.9665,
105.1467

■ 86.7648, 95.7288,
108.5123

Harmonies

Analogous

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



43.2061, 28.0352, 27.5069



39.9545, 28.0352, 12.9784



33.1573, 28.0352, 6.7420

Triad

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



39.9545, 28.0352, 12.9784



15.8946, 28.0352, 16.2846



27.7524, 28.0352, 90.5850

Complementary

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



39.9545, 28.0352, 12.9784



42.9389, 56.5404, 84.2511

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.



21.0494, 28.0352, 82.9626



39.9545, 28.0352, 12.9784



14.9728, 28.0352, 33.7574

Square

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



39.9545, 28.0352, 12.9784



19.4758, 28.0352, 7.9490



16.6802, 28.0352, 59.3424



35.3915, 28.0352, 77.0261

Rectangle

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



39.9545, 28.0352, 12.9784



28.0220, 28.0352, 5.4675



16.6802, 28.0352, 59.3424



25.3170, 28.0352, 90.4497

Sweetspot

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



39.9552, 28.0367, 12.9789



76.8863, 74.1190, 70.6406



49.1224, 29.3059, 68.6447



15.9147, 15.0879, 13.9910



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



39.9552, 28.0367, 12.9789



45.9642, 28.9972, 8.7803



50.0526, 48.2315, 16.3447



14.5081, 14.6300, 14.9637



18.7299, 10.0339, 0.9496



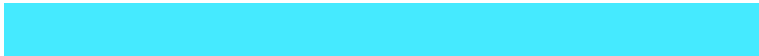
1.4281, 0.8295, 0.0848

Inverse Universe

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



42.9389, 56.5404, 84.2511



49.8787, 67.2499, 104.9594



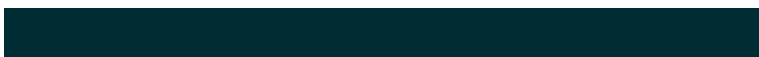
28.9810, 28.6247, 79.5985



14.6604, 16.0422, 18.4681



20.3533, 27.7688, 46.6703



1.5440, 2.1319, 3.4621

Previews

White Background



This preview shows how the XYZ color 39.9545, 28.0352, 12.9784 looks on a white 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

Black Background



This preview shows how the XYZ color 39.9545, 28.0352, 12.9784 looks on a black 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

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

XYZ 39.9545, 28.0352, 12.9784

Background



This preview shows how black text looks on a background with the XYZ color 39.9545, 28.0352, 12.9784.



This preview shows how white text looks on a background with the XYZ color 39.9545, 28.0352,

12.9784.

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

39.9545, 28.0352, 12.9784

Protanopia

26.4372, 28.3593, 17.7162

Deuteranopia

28.5932, 28.0472, 12.2941



Tritanopia

40.9434, 27.9821, 17.9950

Trichromacy



Original Color

39.9545, 28.0352, 12.9784

Protanomaly

29.9450, 27.2200, 15.7323

Deuteranomaly

31.9055, 27.3294, 12.3976

Tritanomaly

40.6772, 28.0357, 16.0995

Monochromacy



Original Color

39.9545, 28.0352, 12.9784

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

28.8810, 26.1292, 22.2601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9545, 28.0352, 12.9784 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(231, 106, 90)` looks like.

```
.text, #text, p{  
    color:rgb(231, 106, 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(231, 106, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 106, 90) }
```

Border

The CSS property to change the border of an element to XYZ 39.9545, 28.0352, 12.9784 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(231, 106, 90) }
```


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

```
.border{ border-color:rgb(231, 106, 90) }
```

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

Here you see how a box with a 4 pixel rgb(231, 106, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 106, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 106, 90);  
box-shadow:4px 4px 4px 4px rgb(231, 106,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9545, 28.0352, 12.9784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 106, 90) }
```

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

```
.background{ background-color: rgb(231,  
106, 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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