

Converting Colors

XYZ(40.6349, 27.6576, 12.2136)

Have a look what the booklet for
XYZ(40.6349, 27.6576, 12.2136)
contains.

XYZ(40.6349, 27.6576, 12.2136)	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(40.6349, 27.6576,
12.2136)**

Conversions

Conversions Part 1

Format	Color
Hex	EB6557
RGB	235, 101, 87
RGB Percent	92%, 40%, 34%
CMY	0.0784, 0.6039, 0.6588
CMYK	0.00, 0.57, 0.63, 0.08
HSL	6°, 79%, 63%
HSV	6°, 63%, 92%
XYZ	40.6349, 27.6576, 12.2136
YIQ	139.4700, 84.3580, 24.0540

Conversions

Conversions Part 2

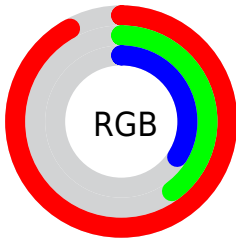
Format	Color
R_{YB}	235, 102, 87
Decimal	15426903
CIE Lab	59.58, 50.90, 33.85
CIE LCh	60, 61.128, 33.627
Yxy	27.6576, 0.5047, 0.3435
Android (android.graphics.Color)	4293616983 (0xFFEB6557)
YUV	139.4700, -25.8677, 83.7798
Hunter-Lab	52.5905, 45.8876, 23.0439

Details

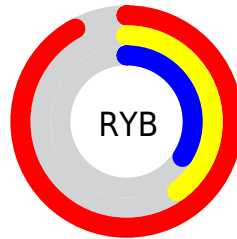
The XYZ color **40.6349, 27.6576, 12.2136** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **44.7803, 59.7333, 87.7663**, and the grayscale version is **24.7969, 26.0883, 28.4101**.

A 20% lighter version of the original color is **57.6438, 46.8431, 29.6704**, and **18.6108, 10.9983, 3.2398** is the 20% darker color. If you saturate the color by 10%, you get **38.0211, 23.7248, 7.3518**, and if you desaturate by 10%, it is **44.0970, 32.7877, 18.8998**.

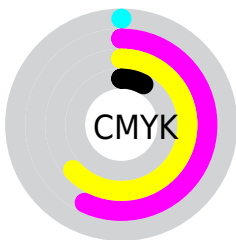
Distribution



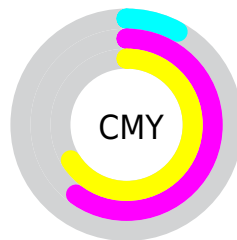
- Red (92%)
- Green (40%)
- Blue (34%)



- Red (92%)
- Yellow (40%)
- Blue (34%)



- Cyan (0%)
- Magenta (57%)
- Yellow (63%)
- Black (8%)





- Cyan (8%)
- Magenta (60%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6349, 27.6576, 12.2136 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 40.6349, 27.6576, 12.2136 by changing the saturation by 10% instead.


 40.6349, 27.6576,
12.2136


 40.6349, 27.6576,
12.2136

339.8811,
290.8272, 216.8422


 28.2203, 18.0677,
6.7650


 75.4076, 55.9373,
30.5537

 18.6331, 10.9986,
3.2394


 98.4964, 75.3959,
44.2824


 11.5079, 6.0659,
1.2181


 125.8739, 98.9129,
61.6081

 6.4794, 2.8852,
0.0000

 157.9057,
126.8727, 82.9495

 3.1821, 1.0721,
0.0000

 194.9569,
159.6596, 108.7250

 1.2508, 0.0000,
0.0000

237.3930,

 0.1459, 0.0000,

197.6580, 139.3533

0.0000

285.5792,
241.2524, 175.2528

■ 0.0000, 0.0000,
0.0000

■ 40.6349, 27.6576,
12.2136

■ 40.6349, 27.6576,
12.2136

■ 38.0211, 23.7248,
7.3518

■ 44.0970, 32.7877,
18.8998

■ 36.1799, 20.8876,
4.1324

■ 48.4706, 39.1967,
27.5656

■ 35.0253, 19.0354,
2.3382


■ 53.8149, 46.9645,
38.3517


■ 34.5523, 18.2451,
1.7006

■ 60.1837, 56.1631,
51.3850

■ 67.6268, 66.8593,
66.7830

 76.1906, 79.1159,
84.6545

 85.9190, 92.9920,
105.1019

 88.0707, 96.4021,
108.5734

Harmonies

Analogous

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



43.9945, 27.6576, 27.5118



40.6349, 27.6576, 12.2136



33.4243, 27.6576, 5.8670

Triad

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



40.6349, 27.6576, 12.2136



15.1337, 27.6576, 14.9391



27.2351, 27.6576, 95.3019

Complementary

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



40.6349, 27.6576, 12.2136



44.7803, 59.7333, 87.7663

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.



20.2470, 27.6576, 86.2782



40.6349, 27.6576, 12.2136



14.1123, 27.6576, 32.8762

Square

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



40.6349, 27.6576, 12.2136



18.9147, 27.6576, 6.8151



15.7909, 27.6576, 60.2097



35.3639, 27.6576, 80.9815

Rectangle

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



40.6349, 27.6576, 12.2136



27.9646, 27.6576, 4.5802



15.7909, 27.6576, 60.2097



24.6792, 27.6576, 94.9210

Sweetspot

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



40.6356, 27.6591, 12.2141



75.7755, 72.3989, 68.7240



50.9433, 29.7883, 72.6410



15.6888, 14.7334, 13.6156



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.



40.6356, 27.6591, 12.2141



44.9229, 27.2695, 7.3390



50.9887, 48.3654, 15.6651



15.1801, 15.2832, 15.6686



19.2703, 10.2349, 0.9599



1.5523, 0.8819, 0.0884

Inverse Universe

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



44.7803, 59.7333, 87.7663



50.1721, 68.5891, 105.2024



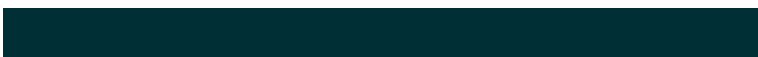
29.6207, 29.4141, 82.7131



15.3887, 16.8639, 19.3662



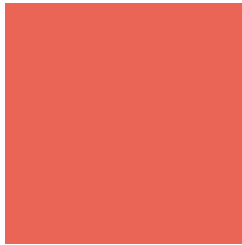
21.6059, 29.8587, 48.3675



1.7321, 2.4157, 3.8099

Previews

White Background



This preview shows how the XYZ color 40.6349, 27.6576, 12.2136 looks on a white background.

Color Contrast Check

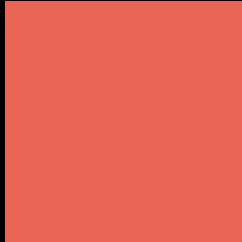
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.6349, 27.6576, 12.2136 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 40.6349, 27.6576, 12.2136

Background



This preview shows how black text looks on a background with the XYZ color 40.6349, 27.6576, 12.2136.



This preview shows how white text looks on a background with the XYZ color 40.6349, 27.6576,

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

40.6349, 27.6576, 12.2136

Protanopia

25.9895, 27.9146, 17.1150

Deuteranopia

28.2981, 27.7006, 11.4447



Tritanopia

41.5096, 27.5882, 16.5019

Trichromacy



Original Color

40.6349, 27.6576, 12.2136

Protanomaly

29.6909, 26.5105, 15.1074

Deuteranomaly

31.7949, 26.9102, 11.7020

Tritanomaly

41.2585, 27.6384, 14.7155

Monochromacy



Original Color

40.6349, 27.6576, 12.2136

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

28.1793, 25.0220, 21.1138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6349, 27.6576, 12.2136 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(235, 101, 87)` looks like.

```
.text, #text, p{  
    color:rgb(235, 101, 87)  
}
```

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(235, 101, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 101, 87) }
```

Border

The CSS property to change the border of an element to XYZ 40.6349, 27.6576, 12.2136 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(235, 101, 87) }
```


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

```
.border{ border-color:rgb(235, 101, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 101, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 101, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 101, 87);  
box-shadow:4px 4px 4px 4px rgb(235, 101,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6349, 27.6576, 12.2136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 101, 87) }
```

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

```
.background{ background-color: rgb(235,  
101, 87) }
```

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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