

Converting Colors

XYZ(40.6357, 28.1908, 8.3133)

Have a look what the booklet for
XYZ(40.6357, 28.1908, 8.3133)
contains.

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Color

**XYZ(40.4965, 28.1151,
8.2934)**

Conversions

Conversions Part 1

Format	Color
Hex	EC6841
RGB	236, 104, 65
RGB Percent	93%, 41%, 25%
CMY	0.0745, 0.5921, 0.7451
CMYK	0.00, 0.56, 0.72, 0.07
HSL	14°, 82%, 59%
HSV	14°, 72%, 93%
XYZ	40.4965, 28.1151, 8.2934
YIQ	139.0220, 91.1910, 15.8550

Conversions

Conversions Part 2

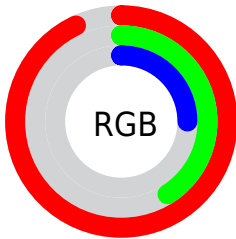
Format	Color
R _Y B	236, 116, 65
Decimal	15493185
CIE Lab	59.99, 48.68, 46.24
CIE LCh	60, 67.146, 43.527
Yxy	28.1151, 0.5266, 0.3656
Android (android.graphics.Color)	4293683265 (0xFFEC6841)
YUV	139.0220, -36.4928, 85.0497
Hunter-Lab	53.0237, 43.5368, 27.8431

Details

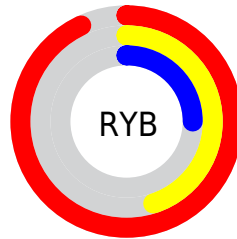
The XYZ color **40.4965, 28.1151, 8.2934** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle muted orange. A complement of this color would be **37.2849, 47.1092, 86.4842**, and the grayscale version is **24.6616, 25.9459, 28.2551**.

A 20% lighter version of the original color is **56.5614, 46.9515, 22.3011**, and **18.4754, 11.2059, 1.7195** is the 20% darker color. If you saturate the color by 10%, you get **38.3103, 24.6180, 4.8673**, and if you desaturate by 10%, it is **43.3654, 32.5216, 13.3554**.

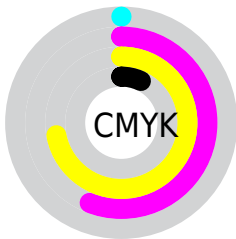
Distribution



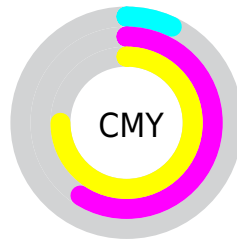
- Red (93%)
- Green (41%)
- Blue (25%)



- Red (93%)
- Yellow (45%)
- Blue (25%)



- Cyan (0%)
- Magenta (56%)
- Yellow (72%)
- Black (7%)





- Cyan (7%)
- Magenta (59%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4965, 28.1151, 8.2934 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 40.4965, 28.1151, 8.2934 by changing the saturation by 10% instead.


 40.4965, 28.1151,
8.2934


 40.4965, 28.1151,
8.2934


339.3105,
293.0165, 188.0352


 28.1118, 18.4124,
4.1928


 75.1985, 56.6682,
23.0872

 18.5508, 11.2465,
1.7317


 98.2466, 76.2873,
34.6176

 11.4483, 6.2329,
0.3823


 125.5797, 99.9808,
49.4615

 6.4387, 2.9872,
0.0000

 157.5634,
128.1330, 68.0377

 3.1568, 1.1251,
0.0000

 194.5630,
161.1282, 90.7646

 1.2372, 0.0000,
0.0000

236.9438,

 0.1355, 0.0000,

199.3510, 118.0608

0.0000

285.0712,
243.1856, 150.3448

■ 0.0000, 0.0000,
0.0000

■ 40.4965, 28.1151,
8.2934

■ 40.4965, 28.1151,
8.2934

■ 38.3103, 24.6180,
4.8673

■ 43.3654, 32.5216,
13.3554

■ 36.7409, 21.9588,
2.8658


■ 46.9704, 37.8924,
20.2264

■ 35.9033, 20.4557,
2.0560

■ 51.3610, 44.2833,
29.0591


■ 56.5820, 51.7445,
39.9892

■ 62.6746, 60.3225,
53.1405

 69.6772, 70.0614,
68.6269

 77.6257, 81.0026,
86.5547

 86.5543, 93.1856,
107.0236

 88.4018, 96.5727,
108.5889

Harmonies

Analogous

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



46.0964, 28.1151, 20.8709



40.4965, 28.1151, 8.2934



31.6587, 28.1151, 4.0264

Triad

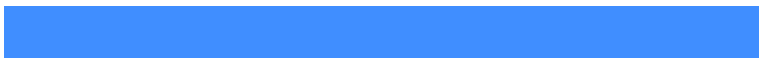
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.4965, 28.1151, 8.2934



13.8583, 28.1151, 19.1121



30.7537, 28.1151, 102.9586

Complementary

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



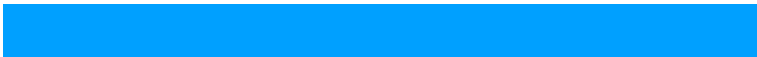
40.4965, 28.1151, 8.2934



37.2849, 47.1092, 86.4842

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.



22.3282, 28.1151, 101.5590



40.4965, 28.1151, 8.2934



13.7177, 28.1151, 42.9934

Square

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



40.4965, 28.1151, 8.2934



16.9274, 28.1151, 7.5974



16.4905, 28.1151, 75.8116



39.7133, 28.1151, 78.9871

Rectangle

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



40.4965, 28.1151, 8.2934



25.7243, 28.1151, 3.5684



16.4905, 28.1151, 75.8116



27.7463, 28.1151, 105.7134

Sweetspot

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



40.4971, 28.1167, 8.2939



75.0050, 72.3145, 63.9769



46.7852, 25.7347, 56.5037



15.6059, 14.8504, 12.7161



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.



40.4971, 28.1167, 8.2939



44.6681, 27.6736, 4.4371



53.4332, 53.9888, 12.6059



15.3442, 15.6114, 15.7233



19.8711, 11.4365, 1.1601



1.6314, 1.0401, 0.1148

Inverse Universe

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



37.2849, 47.1092, 86.4842



40.3685, 50.9188, 102.3084



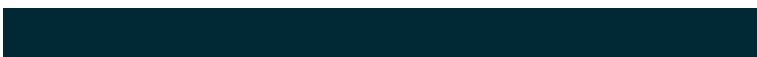
23.2758, 19.0911, 81.8145



15.2094, 16.5053, 19.3065



17.6873, 22.0216, 47.0613



1.4599, 1.8713, 3.7191

Previews

White Background



This preview shows how the XYZ color 40.4965, 28.1151, 8.2934 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 40.4965, 28.1151, 8.2934 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 40.4965, 28.1151, 8.2934

Background



This preview shows how black text looks on a background with the XYZ color 40.4965, 28.1151, 8.2934.



This preview shows how white text looks on a background with the XYZ color 40.4965, 28.1151,

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

40.4965, 28.1151, 8.2934

Protanopia

25.9977, 28.2744, 11.2950

Deuteranopia

28.6494, 28.1757, 7.7994



Tritanopia

42.3233, 28.1414, 16.8368

Trichromacy



Original Color

40.4965, 28.1151, 8.2934

Protanomaly

29.9243, 27.1377, 9.9642

Deuteranomaly

32.0959, 27.5273, 7.8966

Tritanomaly

41.4671, 28.0672, 13.1295

Monochromacy



Original Color

40.4965, 28.1151, 8.2934

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

27.8410, 25.0902, 18.7048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4965, 28.1151, 8.2934 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(236, 104, 65)` looks like.

```
.text, #text, p{  
    color:rgb(236, 104, 65)  
}
```

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(236, 104, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 104, 65) }
```

Border

The CSS property to change the border of an element to XYZ 40.4965, 28.1151, 8.2934 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(236, 104, 65) }
```


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

```
.border{ border-color:rgb(236, 104, 65) }
```

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

Here you see how a box with a 4 pixel rgb(236, 104, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 104, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 104, 65);  
box-shadow:4px 4px 4px 4px rgb(236, 104,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4965, 28.1151, 8.2934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 104, 65) }
```

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

```
.background{ background-color: rgb(236,  
104, 65) }
```

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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