

Converting Colors

XYZ(46.9056, 40.2469, 10.9265)

Have a look what the booklet for
XYZ(46.9056, 40.2469, 10.9265)
contains.

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Color

**XYZ(46.9056, 40.2469,
10.9265)**

Conversions

Conversions Part 1

Format	Color
Hex	ED9645
RGB	237, 150, 69
RGB Percent	93%, 59%, 27%
CMY	0.0706, 0.4117, 0.7294
CMYK	0.00, 0.37, 0.71, 0.07
HSL	29°, 82%, 60%
HSV	29°, 71%, 93%
XYZ	46.9056, 40.2469, 10.9265
YIQ	166.7790, 77.8530, -6.7470

Conversions

Conversions Part 2

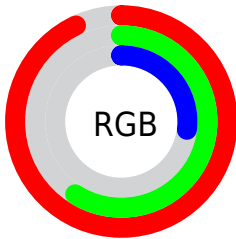
Format	Color
R _Y B	237, 225, 69
Decimal	15570501
CIE Lab	69.65, 25.96, 54.72
CIE LCh	70, 60.570, 64.618
Yxy	40.2469, 0.4782, 0.4104
Android (android.graphics.Color)	4293760581 (0xFFED9645)
YUV	166.7790, -48.2050, 61.5838
Hunter-Lab	63.4404, 20.9558, 34.1967

Details

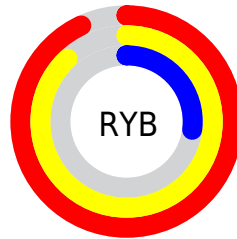
The XYZ color **46.9056, 40.2469, 10.9265** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **29.6281, 31.1550, 84.5722**, and the grayscale version is **36.8247, 38.7425, 42.1905**.

A 20% lighter version of the original color is **66.2841, 65.8262, 27.3013**, and **22.4456, 18.1855, 2.7426** is the 20% darker color. If you saturate the color by 10%, you get **44.4548, 36.2970, 7.1763**, and if you desaturate by 10%, it is **49.8570, 44.7286, 16.2927**.

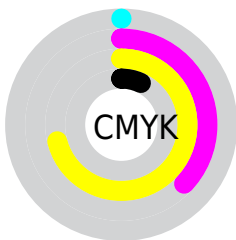
Distribution



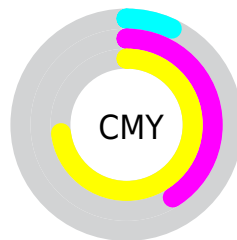
- Red (93%)
- Green (59%)
- Blue (27%)



- Red (93%)
- Yellow (88%)
- Blue (27%)



- Cyan (0%)
- Magenta (37%)
- Yellow (71%)
- Black (7%)




- Cyan (7%)
- Magenta (41%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9056, 40.2469, 10.9265 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 46.9056, 40.2469, 10.9265 by changing the saturation by 10% instead.


 46.9056, 40.2469,
10.9265


 46.9056, 40.2469,
10.9265


365.0928,
347.1631, 207.8819


 33.1687, 27.7311,
5.9039


 84.7923, 75.5393,
28.1587


 22.4155, 18.1231,
2.7189


 109.6728, 99.0848,
41.2054


 14.2809, 11.0384,
0.9529


 138.9985,
127.0755, 57.7639

 8.3993, 6.0927,
0.0000

 173.1348,
159.8960, 78.2527

 4.4054, 2.9015,
0.0000

 212.4470,
197.9306, 103.0904

 1.9340, 1.0805,
0.0000

257.3005,

 0.5965, 0.0000,

241.5637, 132.6954

0.0000

308.0606,
291.1798, 167.4864

■ 0.0000, 0.0000,
0.0000

■ 46.9056, 40.2469,
10.9265

■ 46.9056, 40.2469,
10.9265

■ 44.4548, 36.2970,
7.1763

■ 49.8570, 44.7286,
16.2927

■ 42.4581, 32.8453,
4.8411


■ 53.3435, 49.7604,
23.4392


■ 40.9733, 30.1013,
3.6506


■ 57.3990, 55.3669,
32.5122


■ 62.0534, 61.5688,
43.6419

■ 67.3343, 68.3857,
56.9470

 73.2674, 75.8363,
72.5373

 79.8766, 83.9380,
90.5149

 86.5994, 92.4735,
107.8926

 88.7348, 96.7444,
108.6045

Harmonies

Analogous

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



55.9358, 40.2469, 19.7708



46.9056, 40.2469, 10.9265



36.7573, 40.2469, 9.0525

Triad

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



46.9056, 40.2469, 10.9265



22.3873, 40.2469, 48.3090



49.9787, 40.2469, 104.8674

Complementary

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



46.9056, 40.2469, 10.9265



29.6281, 31.1550, 84.5722

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.



39.7897, 40.2469, 122.5448



46.9056, 40.2469, 10.9265



24.7559, 40.2469, 82.1516

Square

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



46.9056, 40.2469, 10.9265



23.6388, 40.2469, 24.5329



30.7366, 40.2469, 112.8290



57.9118, 40.2469, 71.2397

Rectangle

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



46.9056, 40.2469, 10.9265



30.9336, 40.2469, 10.8067



30.7366, 40.2469, 112.8290



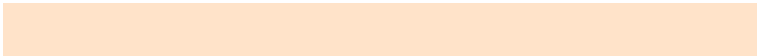
46.6456, 40.2469, 113.4004

Sweetspot

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



46.9065, 40.2490, 10.9272



79.3788, 80.5846, 66.9070



43.2765, 24.7504, 35.1160



16.6050, 16.7558, 13.3350



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.



46.9065, 40.2490, 10.9272



51.3806, 40.9750, 7.0559



64.6869, 75.8098, 16.8541



15.6648, 16.2527, 15.8302



22.5002, 16.6946, 2.0365



1.8627, 1.5027, 0.1919

Inverse Universe

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



29.6281, 31.1550, 84.5722



29.8430, 29.6057, 98.7493



20.2296, 12.3581, 81.4394



14.8764, 15.8393, 19.1955



12.3263, 11.2996, 45.2743



1.0642, 1.0799, 3.5872

Previews

White Background



This preview shows how the XYZ color 46.9056, 40.2469, 10.9265 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 46.9056, 40.2469, 10.9265 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 ✓ Pass

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

XYZ 46.9056, 40.2469, 10.9265

Background



This preview shows how black text looks on a background with the XYZ color 46.9056, 40.2469, 10.9265.



This preview shows how white text looks on a background with the XYZ color 46.9056, 40.2469,

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

46.9056, 40.2469, 10.9265

Protanopia

36.8192, 40.4526, 12.5242

Deuteranopia

41.0551, 40.2311, 10.7558



Tritanopia

51.8103, 40.1940, 34.7333

Trichromacy



Original Color

46.9056, 40.2469, 10.9265

Protanomaly

39.7534, 39.7972, 11.8897

Deuteranomaly

43.0588, 40.2311, 10.8061

Tritanomaly

49.4213, 39.8769, 23.5046

Monochromacy



Original Color

46.9056, 40.2469, 10.9265

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

38.5798, 38.3349, 26.8387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9056, 40.2469, 10.9265 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(237, 150, 69)` looks like.

```
.text, #text, p{  
    color:rgb(237, 150, 69)  
}
```

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(237, 150, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 150, 69) }
```

Border

The CSS property to change the border of an element to XYZ 46.9056, 40.2469, 10.9265 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(237, 150, 69) }
```


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

```
.border{ border-color:rgb(237, 150, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 150, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 150, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 150, 69);  
box-shadow:4px 4px 4px 4px rgb(237, 150,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9056, 40.2469, 10.9265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 150, 69) }
```

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

```
.background{ background-color: rgb(237,  
150, 69) }
```

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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