

Converting Colors

XYZ(46.5690, 40.5818, 15.6854)

Have a look what the booklet for
XYZ(46.5690, 40.5818, 15.6854)
contains.

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Color

**XYZ(46.6457, 40.7286,
15.7588)**

Conversions

Conversions Part 1	
Format	Color
Hex	E8995D
RGB	232, 153, 93
RGB Percent	91%, 60%, 36%
CMY	0.0902, 0.4000, 0.6353
CMYK	0.00, 0.34, 0.60, 0.09
HSL	26°, 75%, 64%
HSV	26°, 60%, 91%
XYZ	46.6457, 40.7286, 15.7588
YIQ	169.7810, 66.3440, -1.9120

Conversions

Conversions Part 2

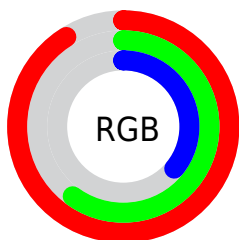
Format	Color
RYB	232, 199, 93
Decimal	15243613
CIELab	69.99, 23.77, 43.24
CIELCh	70, 49.344, 61.208
Yxy	40.7286, 0.4523, 0.3949
Android (android.graphics.Color)	4293433693 (0xFFE8995D)
YUV	169.7810, -37.8530, 54.5661
Hunter-Lab	63.8190, 18.7836, 30.0328

Details

The XYZ color **46.6457, 40.7286, 15.7588** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **33.8312, 37.6563, 81.8288**, and the grayscale version is **38.2598, 40.2522, 43.8347**.

A 20% lighter version of the original color is **68.9067, 68.4161, 36.3619**, and **22.2193, 18.4552, 4.7740** is the 20% darker color. If you saturate the color by 10%, you get **43.7298, 36.2996, 10.4633**, and if you desaturate by 10%, it is **50.1136, 45.7633, 22.7765**.

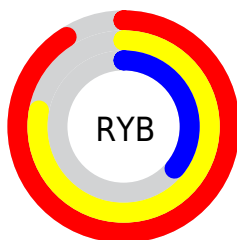
Distribution



Red (91%)

Green (60%)

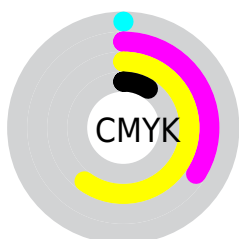
Blue (36%)



Red (91%)

Yellow (78%)

Blue (36%)

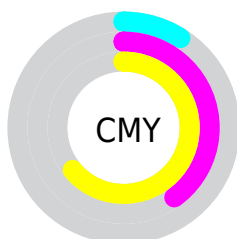


Cyan (0%)

Magenta (34%)

Yellow (60%)

Black (9%)



Cyan (9%)


Magenta (40%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6457, 40.7286, 15.7588 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 46.6457, 40.7286, 15.7588 by changing the saturation by 10% instead.


 46.6457, 40.7286,
15.7588


 46.6457, 40.7286,
15.7588


364.0711,
349.1850, 239.7111

 32.9624, 28.1071,
9.2011


 84.4065, 76.2717,
36.9399


 22.2568, 18.4064,
4.7740


 109.2147, 99.9621,
52.4004

 14.1633, 11.2421,
2.0589


 138.4620,
128.1109, 71.6656

 8.3168, 6.2300,
0.5911

 172.5136,
161.1026, 95.1541

 4.3518, 2.9854,
0.0000

211.7350,
199.3214, 123.2843

 1.9030, 1.1241,
0.0000


256.4915,


 0.5786, 0.0000,


243.1518, 156.4749


0.0000


307.1484,
292.9782, 195.1443


 0.0000, 0.0000,
0.0000


 46.6457, 40.7286,
15.7588


 46.6457, 40.7286,
15.7588


 43.7298, 36.2996,
10.4633


 50.1136, 45.7633,
22.7765


 41.3262, 32.4430,
6.7314


 54.1636, 51.4226,
31.6510

 39.3930, 29.1307,
4.3784


 58.8266, 57.7316,
42.5062


 37.8625, 26.3220,
3.0909


 64.1303, 64.7123,
55.4545

 37.8504, 26.2995,
3.0814

 70.1004, 72.3855,
70.5996

 76.7614, 80.7708,
88.0385

 84.0714, 89.8614,
107.5217

 87.0885, 95.8957,
108.5274

Harmonies

Analogous

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



53.4984, 40.7286, 25.1318



46.6457, 40.7286, 15.7588



38.3861, 40.7286, 13.1733

Triad

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



46.6457, 40.7286, 15.7588



25.2194, 40.7286, 45.2870



47.2882, 40.7286, 94.0239

Complementary

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



46.6457, 40.7286, 15.7588



33.8312, 37.6563, 81.8288

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.



39.0383, 40.7286, 104.9835



46.6457, 40.7286, 15.7588



26.9359, 40.7286, 71.4753

Square

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



46.6457, 40.7286, 15.7588



26.6806, 40.7286, 26.2558



31.7319, 40.7286, 95.5736



53.9040, 40.7286, 69.2747

Rectangle

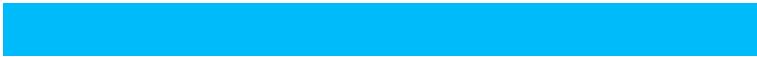
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.6457, 40.7286, 15.7588



33.3830, 40.7286, 14.5494



31.7319, 40.7286, 95.5736



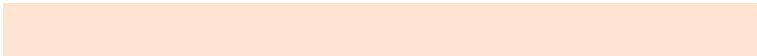
44.5785, 40.7286, 99.7628

Sweetspot

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



46.6467, 40.7307, 15.7596



80.7568, 81.8599, 71.9307



44.8411, 28.0439, 43.1368



16.8464, 16.9513, 14.3015



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.



46.6467, 40.7307, 15.7596



53.4021, 43.7439, 11.6576



60.9569, 69.3512, 20.5297



14.8861, 15.3862, 15.0897



21.1330, 14.8401, 1.7506



1.6525, 1.2783, 0.1596

Inverse Universe

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



33.8312, 37.6563, 81.8288



36.1525, 39.5237, 100.3311



24.0892, 18.1722, 78.5814



14.2592, 15.2399, 18.3344



12.7829, 12.6279, 44.1469



1.0365, 1.1169, 3.2929

Previews

White Background



This preview shows how the XYZ color 46.6457, 40.7286, 15.7588 looks on a white background.

Color Contrast Check

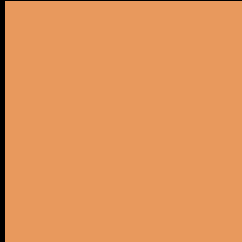
Large Text (above 18pt) WCAG AA × Fail

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 46.6457, 40.7286, 15.7588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

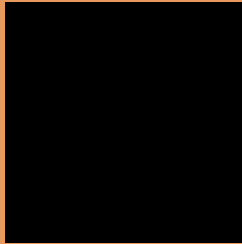
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6457, 40.7286, 15.7588

Background



This preview shows how black text looks on a background with the XYZ color 46.6457, 40.7286, 15.7588.



This preview shows how white text looks on a background with the XYZ color 46.6457, 40.7286,

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

46.6457, 40.7286, 15.7588

Protanopia

37.7918, 41.1165, 18.0010

Deuteranopia

41.5639, 40.6514, 15.5534



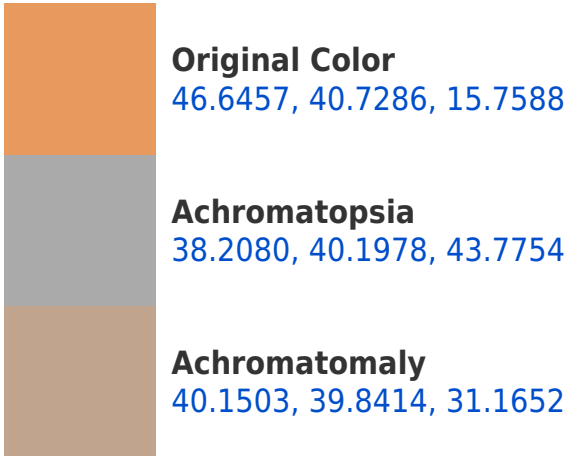
Tritanopia

51.0512, 40.6556, 36.6091

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6457, 40.7286, 15.7588 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(232, 153, 93)` looks like.

```
.text, #text, p{  
    color:rgb(232, 153, 93)  
}
```

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(232, 153, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 153, 93) }
```

Border

The CSS property to change the border of an element to XYZ 46.6457, 40.7286, 15.7588 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(232, 153, 93) }
```


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

```
.border{ border-color:rgb(232, 153, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 153, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 153, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 153, 93);  
box-shadow:4px 4px 4px 4px rgb(232, 153,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6457, 40.7286, 15.7588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 153, 93) }
```

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

```
.background{ background-color: rgb(232,  
153, 93) }
```

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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