

Converting Colors

XYZ(44.8965, 40.1851, 5.9870)

Have a look what the booklet for
XYZ(44.8965, 40.1851, 5.9870)
contains.

XYZ(44.9519, 40.3140, 6.0283)	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(44.9519, 40.3140,
6.0283)**

Conversions

Conversions Part 1

Format	Color
Hex	E89A13
RGB	232, 154, 19
RGB Percent	91%, 60%, 7%
CMY	0.0902, 0.3961, 0.9255
CMYK	0.00, 0.34, 0.92, 0.09
HSL	38°, 85%, 49%
HSV	38°, 92%, 91%
XYZ	44.9519, 40.3140, 6.0283
YIQ	161.9320, 89.8230, -25.4490

Conversions

Conversions Part 2

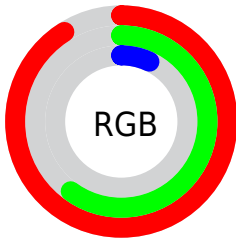
Format	Color
R_YB	142, 232, 19
Decimal	15243795
CIE Lab	69.69, 20.19, 71.52
CIE LCh	70, 74.315, 74.232
Yxy	40.3140, 0.4924, 0.4416
Android (android.graphics.Color)	4293433875 (0xFFE89A13)
YUV	161.9320, -70.4655, 61.4496
Hunter-Lab	63.4933, 15.2609, 38.8161

Details

The XYZ color **44.9519, 40.3140, 6.0283** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **19.1091, 14.5146, 78.1379**, and the grayscale version is **34.6025, 36.4045, 39.6445**.

A 20% lighter version of the original color is **65.3572, 66.9963, 17.6705**, and **21.4278, 18.2465, 2.3926** is the 20% darker color. If you saturate the color by 10%, you get **43.7193, 38.0372, 5.0377**, and if you desaturate by 10%, it is **46.7091, 43.3422, 8.1143**.

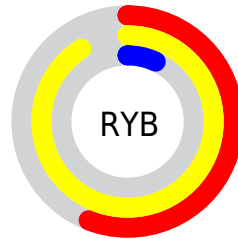
Distribution



Red (91%)

Green (60%)

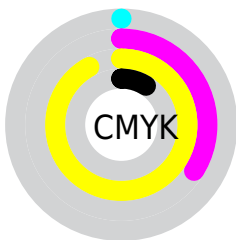
Blue (7%)



Red (56%)

Yellow (91%)

Blue (7%)

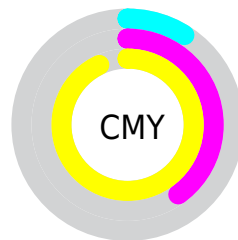


Cyan (0%)

Magenta (34%)

Yellow (92%)

Black (9%)



Cyan (9%)

Magenta (40%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9519, 40.3140, 6.0283 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 44.9519, 40.3140, 6.0283 by changing the saturation by 10% instead.

44.9519, 40.3140,
6.0283

44.9519, 40.3140,
6.0283

357.3657,
347.4453, 168.6383

31.6207, 27.7835,
2.7932

81.8857, 75.6414,
18.4683

21.2261, 18.1625,
0.9900

106.2190, 99.2071,
28.5103

13.4027, 11.0667,
0.0000

134.9504,
127.2199, 41.6583

7.7854, 6.1117,
0.0000

168.4452,
160.0643, 58.3310

4.0086, 2.9131,
0.0000

207.0688,
198.1246, 78.9468

1.7070, 1.0866,
0.0000

251.1865,

0.4606, 0.0000,

241.7853, 103.9242

0.0000

301.1637,
291.4307, 133.6819

■ 0.0000, 0.0000,
0.0000

■ 44.9519, 40.3140,
6.0283

■ 44.9519, 40.3140,
6.0283

■ 43.7193, 38.0372,
5.0377

■ 46.7091, 43.3422,
8.1143

■ 48.8069, 46.6669,
11.4987

■ 51.2843, 50.3085,
16.3730

■ 54.1732, 54.2826,
22.8961

■ 57.5015, 58.6035,
31.2062

■ 61.2944, 63.2841,
41.4269

■ 65.5748, 68.3362,
53.6707

■ 70.3641, 73.7711,
68.0414

■ 75.6821, 79.5994,
84.6354

Harmonies

Analogous

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



57.3927, 40.3140, 12.0062



44.9519, 40.3140, 6.0283



32.9078, 40.3140, 5.9068

Triad

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



44.9519, 40.3140, 6.0283



19.9869, 40.3140, 62.2765



56.8209, 40.3140, 110.5148

Complementary

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



44.9519, 40.3140, 6.0283



19.1091, 14.5146, 78.1379

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.



44.2892, 40.3140, 144.4894



44.9519, 40.3140, 6.0283



24.0198, 40.3140, 108.2081

Square

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



44.9519, 40.3140, 6.0283



20.0910, 40.3140, 28.2440



32.3698, 40.3140, 143.4752



65.1629, 40.3140, 64.4665

Rectangle

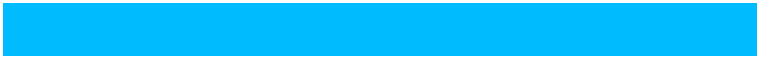
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.9519, 40.3140, 6.0283



26.7236, 40.3140, 8.7493



32.3698, 40.3140, 143.4752



52.8560, 40.3140, 124.5876

Sweetspot

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



44.9528, 40.3161, 6.0290



77.8289, 80.6621, 56.5952



35.6742, 18.4868, 13.0233



16.1862, 16.6989, 10.7885



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.



44.9528, 40.3161, 6.0290



54.0941, 46.9682, 6.2147



53.7666, 70.5410, 11.3985



15.1347, 15.8832, 15.1725



24.3954, 21.3650, 2.8381



1.8905, 1.7544, 0.2390

Inverse Universe

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



19.1091, 14.5146, 78.1379



21.9975, 15.1150, 96.3658



15.9897, 6.9063, 76.8338



14.0128, 14.7470, 18.2522



9.9974, 7.0569, 43.2184



0.8250, 0.6938, 3.2224

Previews

White Background



This preview shows how the XYZ color 44.9519, 40.3140, 6.0283 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 44.9519, 40.3140, 6.0283 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 44.9519, 40.3140, 6.0283

Background



This preview shows how black text looks on a background with the XYZ color 44.9519, 40.3140, 6.0283.



This preview shows how white text looks on a background with the XYZ color 44.9519, 40.3140,

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

44.9519, 40.3140, 6.0283

Protanopia

36.4766, 40.4025, 6.7956

Deuteranopia

41.2392, 40.4396, 5.6321



Tritanopia

50.9151, 40.1552, 35.6391

Trichromacy



Original Color

44.9519, 40.3140, 6.0283

Protanomaly

39.3419, 40.2375, 6.5037

Deuteranomaly

42.5607, 40.3412, 5.7445

Tritanomaly

47.5756, 39.7202, 18.5239

Monochromacy



Original Color

44.9519, 40.3140, 6.0283

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.7061, 36.4869, 19.9126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9519, 40.3140, 6.0283 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, 154, 19)` looks like.

```
.text, #text, p{  
    color:rgb(232, 154, 19)  
}
```

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, 154, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 154, 19) }
```

Border

The CSS property to change the border of an element to XYZ 44.9519, 40.3140, 6.0283 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, 154, 19) }
```


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

```
.border{ border-color:rgb(232, 154, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 154, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 154, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 154, 19);  
box-shadow:4px 4px 4px 4px rgb(232, 154,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9519, 40.3140, 6.0283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 154, 19) }
```

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

```
.background{ background-color: rgb(232,  
154, 19) }
```

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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