

Converting Colors

XYZ(43.9583, 36.1655, 5.9741)

Have a look what the booklet for
XYZ(43.9583, 36.1655, 5.9741)
contains.

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Color

**XYZ(43.9279, 36.1088,
5.9508)**

Conversions

Conversions Part 1

Format	Color
Hex	EC8A1F
RGB	236, 138, 31
RGB Percent	93%, 54%, 12%
CMY	0.0745, 0.4588, 0.8784
CMYK	0.00, 0.42, 0.87, 0.07
HSL	31°, 84%, 52%
HSV	31°, 87%, 93%
XYZ	43.9279, 36.1088, 5.9508
YIQ	155.1040, 92.7550, -12.5010

Conversions

Conversions Part 2

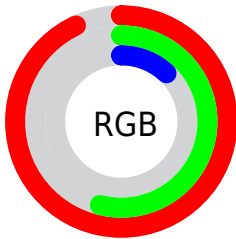
Format	Color
R _Y B	219, 236, 31
Decimal	15501855
CIE Lab	66.60, 30.53, 66.52
CIE LCh	67, 73.192, 65.346
Yxy	36.1088, 0.5109, 0.4199
Android (android.graphics.Color)	4293691935 (0xFFEC8A1F)
YUV	155.1040, -61.1833, 70.9458
Hunter-Lab	60.0906, 25.3299, 36.1919

Details

The XYZ color **43.9279, 36.1088, 5.9508** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **23.5553, 22.0472, 82.3703**, and the grayscale version is **31.4368, 33.0739, 36.0175**.

A 20% lighter version of the original color is **61.8511, 59.6639, 17.4889**, and **20.8638, 15.8151, 1.9530** is the 20% darker color. If you saturate the color by 10%, you get **42.1864, 32.9570, 4.3505**, and if you desaturate by 10%, it is **46.0651, 39.6911, 8.7982**.

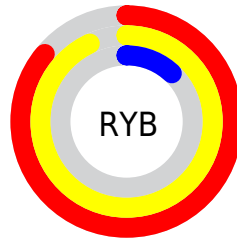
Distribution



Red (93%)

Green (54%)

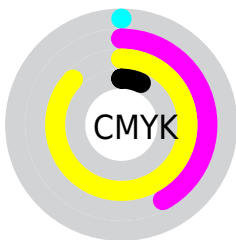
Blue (12%)



Red (86%)

Yellow (93%)

Blue (12%)

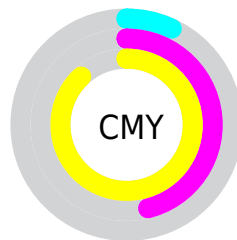


Cyan (0%)

Magenta (42%)

Yellow (87%)

Black (7%)



Cyan (7%)


Magenta (46%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.9279, 36.1088, 5.9508 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 43.9279, 36.1088, 5.9508 by changing the saturation by 10% instead.


 43.9279, 36.1088,
5.9508


 43.9279, 36.1088,
5.9508

353.2712,
329.4358, 167.9221


 30.8115, 24.5182,
2.7469


 80.3563, 69.2000,
18.3046

 20.6065, 15.7185,
0.9669


 104.3989, 91.4694,
28.2915


 12.9475, 9.3252,
0.0000


 132.8144,
118.0671, 41.3766

 7.4691, 4.9539,
0.0000

 165.9680,
149.3777, 57.9783

 3.8061, 2.2202,
0.0000

 204.2251,
185.7855, 78.5151

 1.5930, 0.7310,
0.0000

 247.9511,

 0.3879, 0.0000,

227.6748, 103.4057

0.0000

297.5114,
275.4301, 133.0685

■ 0.0000, 0.0000,
0.0000

■ 43.9279, 36.1088,
5.9508

■ 43.9279, 36.1088,
5.9508

■ 42.1864, 32.9570,
4.3505

■ 46.0651, 39.6911,
8.7982

■ 41.6979, 32.0448,
3.9876

■ 48.6441, 43.7254,
13.1223

■ 51.7046, 48.2366,
19.1052

■ 55.2802, 53.2454,
26.9017

■ 59.4010, 58.7708,
36.6489

■ 64.0944, 64.8305,
48.4703

■ 69.3857, 71.4411,
62.4792

■ 75.2985, 78.6184,
78.7807

■ 81.8552, 86.3774,
97.4728

Harmonies

Analogous

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



54.6410, 36.1088, 13.6415



43.9279, 36.1088, 5.9508



32.3858, 36.1088, 4.5780

Triad

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



43.9279, 36.1088, 5.9508



17.2658, 36.1088, 45.2389



48.0788, 36.1088, 112.3815

Complementary

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



43.9279, 36.1088, 5.9508



23.5553, 22.0472, 82.3703

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.



36.3304, 36.1088, 135.8177



43.9279, 36.1088, 5.9508



19.7892, 36.1088, 85.8430

Square

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



43.9279, 36.1088, 5.9508



18.4543, 36.1088, 19.0643



26.2269, 36.1088, 124.1448



57.3742, 36.1088, 70.4094

Rectangle

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



43.9279, 36.1088, 5.9508



26.0336, 36.1088, 6.0392



26.2269, 36.1088, 124.1448



44.2017, 36.1088, 123.4798

Sweetspot

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



43.9287, 36.1107, 5.9514



76.8626, 77.8607, 58.9511



39.1169, 20.4270, 23.0303



16.0142, 16.1081, 11.4922



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.



43.9287, 36.1107, 5.9514



49.6418, 38.0636, 4.7306



63.7108, 77.3429, 12.8674



15.7160, 16.3551, 15.8472



23.1154, 17.9251, 2.2416



1.9114, 1.6001, 0.2081

Inverse Universe

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



23.5553, 22.0472, 82.3703



24.9968, 21.1135, 97.3656



16.3040, 7.3836, 79.9221



14.8252, 15.7369, 19.1784



11.7172, 10.0814, 45.0713



1.0159, 0.9832, 3.5711

Previews

White Background



This preview shows how the XYZ color 43.9279, 36.1088, 5.9508 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 43.9279, 36.1088, 5.9508 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 43.9279, 36.1088, 5.9508

Background



This preview shows how black text looks on a background with the XYZ color 43.9279, 36.1088, 5.9508.



This preview shows how white text looks on a background with the XYZ color 43.9279, 36.1088,

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

43.9279, 36.1088, 5.9508

Protanopia

32.9596, 36.3952, 7.0381

Deuteranopia

36.8500, 36.1374, 5.6491



Tritanopia

48.7133, 36.2363, 28.4716

Trichromacy



Original Color

43.9279, 36.1088, 5.9508

Protanomaly

36.2161, 35.7891, 6.5893

Deuteranomaly

39.0635, 35.8406, 5.6697

Tritanomaly

46.1000, 35.7541, 16.2759

Monochromacy



Original Color

43.9279, 36.1088, 5.9508

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.3291, 32.8110, 19.3284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.9279, 36.1088, 5.9508 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, 138, 31)` looks like.

```
.text, #text, p{  
    color:rgb(236, 138, 31)  
}
```

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, 138, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 138, 31) }
```

Border

The CSS property to change the border of an element to XYZ 43.9279, 36.1088, 5.9508 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, 138, 31) }
```


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

```
.border{ border-color:rgb(236, 138, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 138, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 138, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 138, 31);  
box-shadow:4px 4px 4px 4px rgb(236, 138,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 43.9279, 36.1088, 5.9508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 138, 31) }
```

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

```
.background{ background-color: rgb(236,  
138, 31) }
```

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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