

Converting Colors

XYZ(39.9466, 33.2068, 6.2227)

Have a look what the booklet for
XYZ(39.9466, 33.2068, 6.2227)
contains.

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Color

**XYZ(39.9426, 33.2042,
6.2233)**

Conversions

Conversions Part 1

Format	Color
Hex	E18627
RGB	225, 134, 39
RGB Percent	88%, 53%, 15%
CMY	0.1177, 0.4745, 0.8470
CMYK	0.00, 0.40, 0.83, 0.12
HSL	31°, 76%, 52%
HSV	31°, 83%, 88%
XYZ	39.9426, 33.2042, 6.2233
YIQ	150.3790, 84.7310, -10.2530

Conversions

Conversions Part 2

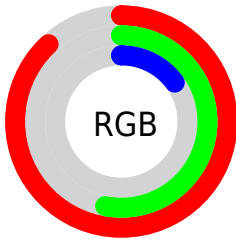
Format	Color
R_{YB}	217, 225, 39
Decimal	14779943
CIE _{Lab}	64.33, 28.28, 61.45
CIE _{LCh}	64, 67.649, 65.286
Y _{xy}	33.2042, 0.5032, 0.4183
Android (android.graphics.Color)	4292970023 (0xFFE18627)
YUV	150.3790, -54.9098, 65.4426
Hunter-Lab	57.6231, 22.8905, 33.9328

Details

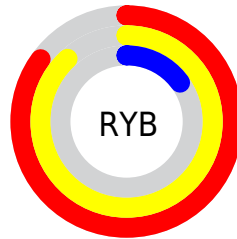
The XYZ color **39.9426, 33.2042, 6.2233** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **22.4094, 21.8318, 74.2664**, and the grayscale version is **29.3526, 30.8812, 33.6297**.

A 20% lighter version of the original color is **61.1990, 58.0168, 18.3287**, and **18.4802, 14.2332, 1.7733** is the 20% darker color. If you saturate the color by 10%, you get **38.2313, 30.2121, 4.3267**, and if you desaturate by 10%, it is **42.0345, 36.6049, 9.3363**.

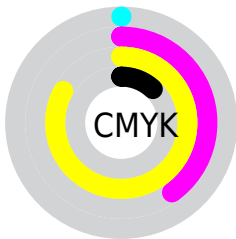
Distribution



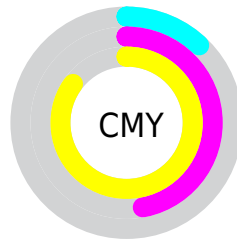
- Red (88%)
- Green (53%)
- Blue (15%)



- Red (85%)
- Yellow (88%)
- Blue (15%)



- Cyan (0%)
- Magenta (40%)
- Yellow (83%)
- Black (12%)





- Cyan (12%)
- Magenta (47%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9426, 33.2042, 6.2233 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 39.9426, 33.2042, 6.2233 by changing the saturation by 10% instead.


 39.9426, 33.2042,
6.2233


 39.9426, 33.2042,
6.2233


337.0202,
316.5689, 170.4225


 27.6778, 22.2829,
2.9104


 74.3610, 64.6942,
18.8783


 18.2221, 14.0649,
1.0490


 97.2453, 86.0317,
29.0573


 11.2102, 8.1658,
0.0000


 124.4002,
111.6101, 42.3622

 6.2768, 4.2013,
0.0000

 156.1909,
141.8138, 59.2115

 3.0563, 1.7868,
0.0000

 192.9830,
177.0271, 80.0236

 1.1836, 0.4789,
0.0000

 235.1416,

 0.0934, 0.0000,

217.6344, 105.2171

0.0000

283.0322,
264.0202, 135.2106

■ 0.0000, 0.0000,
0.0000

■ 39.9426, 33.2042,
6.2233

■ 39.9426, 33.2042,
6.2233

■ 38.2313, 30.2121,
4.3267

■ 42.0345, 36.6049,
9.3363

■ 37.1733, 28.2519,
3.4939

■ 44.5435, 40.4317,
13.8446

■ 47.5028, 44.7065,
19.8988

■ 50.9413, 49.4476,
27.6294

■ 54.8849, 54.6721,
37.1528

■ 59.3574, 60.3956,
48.5749

■ 64.3809, 66.6333,
61.9934

■ 69.9763, 73.3994,
77.4991

■ 76.1630, 80.7075,
95.1772

Harmonies

Analogous

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



49.1961, 33.2042, 13.3727



39.9426, 33.2042, 6.2233



29.8857, 33.2042, 4.8985

Triad

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



39.9426, 33.2042, 6.2233



16.4907, 33.2042, 41.2580



43.4972, 33.2042, 98.9341

Complementary

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



39.9426, 33.2042, 6.2233



22.4094, 21.8318, 74.2664

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.



33.2949, 33.2042, 118.7266



39.9426, 33.2042, 6.2233



18.7397, 33.2042, 76.2059

Square

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



39.9426, 33.2042, 6.2233



17.5612, 33.2042, 18.2195



24.4401, 33.2042, 108.7945



51.5233, 33.2042, 63.1347

Rectangle

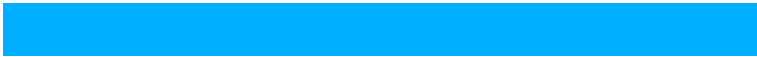
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.9426, 33.2042, 6.2233



24.2990, 33.2042, 6.2928



24.4401, 33.2042, 108.7945



40.1391, 33.2042, 108.3285

Sweetspot

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



39.9433, 33.2059, 6.2239



77.2768, 78.2431, 60.4641



35.9416, 19.1247, 23.6273



16.0867, 16.1680, 11.7792



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.



39.9433, 33.2059, 6.2239



49.4372, 37.6320, 4.7313



58.3423, 70.0039, 12.3569



14.2832, 14.8523, 14.4208



21.5386, 16.5150, 2.0525



1.5825, 1.3239, 0.1721

Inverse Universe

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



22.4094, 21.8318, 74.2664



25.5496, 22.1718, 97.5407



15.1530, 7.3189, 71.8476



13.5029, 14.3449, 17.4448



11.1655, 9.8006, 42.3516



0.8634, 0.8582, 2.9654

Previews

White Background



This preview shows how the XYZ color 39.9426, 33.2042, 6.2233 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 39.9426, 33.2042, 6.2233 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 39.9426, 33.2042, 6.2233

Background



This preview shows how black text looks on a background with the XYZ color 39.9426, 33.2042, 6.2233.



This preview shows how white text looks on a background with the XYZ color 39.9426, 33.2042,

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

39.9426, 33.2042, 6.2233

Protanopia

30.2098, 33.4174, 7.3406

Deuteranopia

33.8766, 33.1544, 5.9805



Tritanopia

44.2698, 33.2115, 26.6314

Trichromacy



Original Color

39.9426, 33.2042, 6.2233

Protanomaly

33.1758, 33.0068, 6.9079

Deuteranomaly

35.8580, 33.0317, 6.0759

Tritanomaly

41.9662, 32.8332, 15.9300

Monochromacy



Original Color

39.9426, 33.2042, 6.2233

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.9192, 30.4194, 18.9938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9426, 33.2042, 6.2233 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(225, 134, 39)` looks like.

```
.text, #text, p{  
    color:rgb(225, 134, 39)  
}
```

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(225, 134, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 134, 39) }
```

Border

The CSS property to change the border of an element to XYZ 39.9426, 33.2042, 6.2233 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(225, 134, 39) }
```


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

```
.border{ border-color:rgb(225, 134, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 134, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 134, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 134, 39);  
box-shadow:4px 4px 4px 4px rgb(225, 134,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9426, 33.2042, 6.2233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 134, 39) }
```

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

```
.background{ background-color: rgb(225,  
134, 39) }
```

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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