

Converting Colors

XYZ(39.8334, 27.2740, 6.1533)

Have a look what the booklet for
XYZ(39.8334, 27.2740, 6.1533)
contains.

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Color

**XYZ(39.7250, 27.1775,
6.1697)**

Conversions

Conversions Part 1

Format	Color
Hex	EC6432
RGB	236, 100, 50
RGB Percent	93%, 39%, 20%
CMY	0.0745, 0.6078, 0.8039
CMYK	0.00, 0.58, 0.79, 0.07
HSL	16°, 83%, 56%
HSV	16°, 79%, 93%
XYZ	39.7250, 27.1775, 6.1697
YIQ	134.9640, 97.1060, 13.2820

Conversions

Conversions Part 2

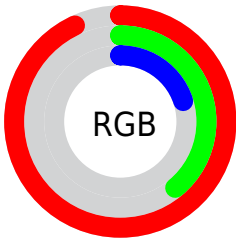
Format	Color
R _Y B	236, 118, 50
Decimal	15492146
CIE Lab	59.14, 49.96, 52.73
CIE LCh	59, 72.641, 46.544
Yxy	27.1775, 0.5436, 0.3719
Android (android.graphics.Color)	4293682226 (0xFFEC6432)
YUV	134.9640, -41.8873, 88.6086
Hunter-Lab	52.1320, 44.7872, 29.4756

Details

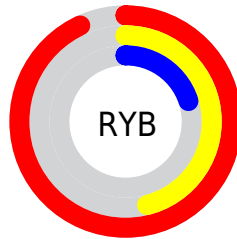
The XYZ color **39.7250, 27.1775, 6.1697** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **34.0131, 41.8491, 85.6414**, and the grayscale version is **23.1421, 24.3473, 26.5142**.

A 20% lighter version of the original color is **55.0959, 45.2913, 17.8948**, and **18.1720, 10.7610, 1.1193** is the 20% darker color. If you saturate the color by 10%, you get **37.8573, 24.0580, 3.6494**, and if you desaturate by 10%, it is **42.2065, 31.1059, 10.1880**.

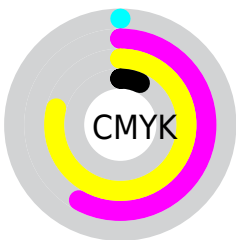
Distribution



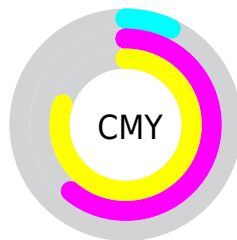
- Red (93%)
- Green (39%)
- Blue (20%)



- Red (93%)
- Yellow (46%)
- Blue (20%)



- Cyan (0%)
- Magenta (58%)
- Yellow (79%)
- Black (7%)





- Cyan (7%)
- Magenta (61%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7250, 27.1775, 6.1697 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 39.7250, 27.1775, 6.1697 by changing the saturation by 10% instead.


 39.7250, 27.1775,
6.1697


 39.7250, 27.1775,
6.1697


336.1175,
288.5155, 169.9346

 27.5075, 17.7066,
2.8781


 74.0316, 55.1686,
18.7658

 18.0933, 10.7395,
1.0327


 96.8513, 74.4575,
28.9074


 11.1171, 5.8920,
0.0000


 123.9358, 97.7879,
42.1695

 6.2135, 2.7795,
0.0000

 155.6505,
125.5441, 58.9704

 3.0172, 1.0177,
0.0000

 192.3606,
158.1106, 79.7289

 1.1629, 0.0000,
0.0000

 234.4316,

 0.0768, 0.0000,

195.8718, 104.8634

0.0000

282.2287,
239.2119, 134.7924

■ 0.0000, 0.0000,
0.0000

■ 39.7250, 27.1775,
6.1697

■ 39.7250, 27.1775,
6.1697

■ 37.8573, 24.0580,
3.6494

■ 42.2065, 31.1059,
10.1880

■ 36.5263, 21.6770,
2.3394


■ 45.3559, 35.8934,
15.8963


■ 36.3944, 21.4378,
2.2197


■ 49.2224, 41.5913,
23.4591


■ 53.8499, 48.2451,
33.0209

■ 59.2785, 55.8973,
44.7115

 65.5455, 64.5874,
58.6501

 72.6854, 74.3532,
74.9465

 80.7311, 85.2301,
93.7038

 88.4019, 96.5728,
108.5889

Harmonies

Analogous

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



46.3319, 27.1775, 17.5598



39.7250, 27.1775, 6.1697



30.0906, 27.1775, 2.7814

Triad

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



39.7250, 27.1775, 6.1697



12.3466, 27.1775, 19.4542



31.1036, 27.1775, 107.5529

Complementary

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



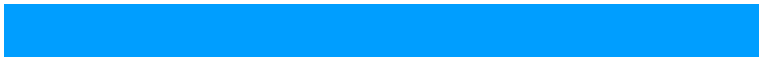
39.7250, 27.1775, 6.1697



34.0131, 41.8491, 85.6414

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.



21.9943, 27.1775, 109.2028



39.7250, 27.1775, 6.1697



12.4954, 27.1775, 46.1500

Square

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



39.7250, 27.1775, 6.1697



15.1571, 27.1775, 6.8611



15.6261, 27.1775, 82.4292



40.6141, 27.1775, 78.7301

Rectangle

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



39.7250, 27.1775, 6.1697



23.9007, 27.1775, 2.5715



15.6261, 27.1775, 82.4292



27.8634, 27.1775, 111.7102

Sweetspot

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



39.7256, 27.1790, 6.1701



74.0645, 71.3648, 60.7924



44.6381, 23.6763, 48.8950



15.2969, 14.5017, 11.7833



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.



39.7256, 27.1790, 6.1701



44.0269, 26.7202, 3.2094



54.1493, 56.0264, 10.9780



15.3949, 15.7128, 15.7402



20.1526, 11.9995, 1.2540



1.6597, 1.0967, 0.1242

Inverse Universe

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



34.0131, 41.8491, 85.6414



36.5976, 44.0742, 101.1860



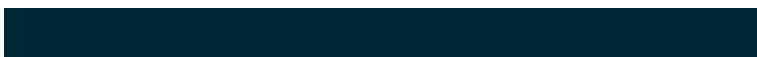
20.4054, 14.6336, 81.1055



15.1553, 16.3970, 19.2884



16.6477, 19.9423, 46.7148



1.3859, 1.7232, 3.6944

Previews

White Background



This preview shows how the XYZ color 39.7250, 27.1775, 6.1697 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 39.7250, 27.1775, 6.1697 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 × Fail

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

XYZ 39.7250, 27.1775, 6.1697

Background



This preview shows how black text looks on a background with the XYZ color 39.7250, 27.1775, 6.1697.



This preview shows how white text looks on a background with the XYZ color 39.7250, 27.1775,

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

39.7250, 27.1775, 6.1697

Protanopia

24.9900, 27.3637, 8.5220

Deuteranopia

27.7608, 27.3385, 5.7332



Tritanopia

41.5628, 27.1027, 15.0973

Trichromacy



Original Color

39.7250, 27.1775, 6.1697

Protanomaly

28.8466, 26.0490, 7.5106

Deuteranomaly

31.3384, 26.6197, 5.7719

Tritanomaly

40.6309, 26.9795, 11.0487

Monochromacy



Original Color

39.7250, 27.1775, 6.1697

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

26.4715, 23.6892, 16.2740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7250, 27.1775, 6.1697 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, 100, 50)` looks like.

```
.text, #text, p{  
    color:rgb(236, 100, 50)  
}
```

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, 100, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 100, 50) }
```

Border

The CSS property to change the border of an element to XYZ 39.7250, 27.1775, 6.1697 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, 100, 50) }
```


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

```
.border{ border-color:rgb(236, 100, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 100, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 100, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 100, 50);  
box-shadow:4px 4px 4px 4px rgb(236, 100,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7250, 27.1775, 6.1697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 100, 50) }
```

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

```
.background{ background-color: rgb(236,  
100, 50) }
```

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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