

Converting Colors

XYZ(38.7677, 32.6405, 7.2617)

Have a look what the booklet for
XYZ(38.7677, 32.6405, 7.2617)
contains.

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Color

**XYZ(38.6160, 32.4961,
7.2547)**

Conversions

Conversions Part 1

Format	Color
Hex	DC8632
RGB	220, 134, 50
RGB Percent	86%, 53%, 20%
CMY	0.1373, 0.4745, 0.8039
CMYK	0.00, 0.39, 0.77, 0.14
HSL	30°, 71%, 53%
HSV	30°, 77%, 86%
XYZ	38.6160, 32.4961, 7.2547
YIQ	150.1380, 78.2200, -7.8920

Conversions

Conversions Part 2

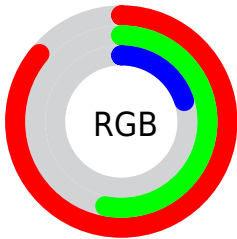
Format	Color
R _Y B	220, 216, 50
Decimal	14452274
CIE Lab	63.75, 26.57, 56.42
CIE LCh	64, 62.364, 64.784
Yxy	32.4961, 0.4928, 0.4147
Android (android.graphics.Color)	4292642354 (0xFFDC8632)
YUV	150.1380, -49.3680, 61.2690
Hunter-Lab	57.0054, 21.1583, 32.3583

Details

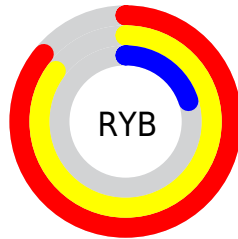
The XYZ color **38.6160, 32.4961, 7.2547** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle muted orange. A complement of this color would be **23.0372, 23.4525, 71.0222**, and the grayscale version is **29.2288, 30.7509, 33.4878**.

A 20% lighter version of the original color is **61.6215, 58.1857, 20.5535**, and **17.4684, 13.7116, 1.7259** is the 20% darker color. If you saturate the color by 10%, you get **36.7924, 29.4350, 4.8411**, and if you desaturate by 10%, it is **40.8308, 35.9755, 10.9233**.

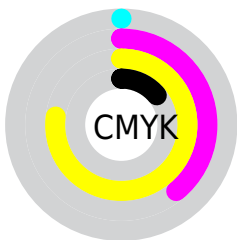
Distribution



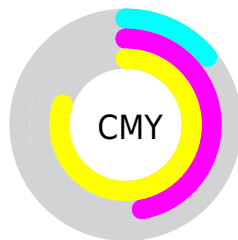
- Red (86%)
- Green (53%)
- Blue (20%)



- Red (86%)
- Yellow (85%)
- Blue (20%)



- Cyan (0%)
- Magenta (39%)
- Yellow (77%)
- Black (14%)





- Cyan (14%)
- Magenta (47%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6160, 32.4961, 7.2547 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 38.6160, 32.4961, 7.2547 by changing the saturation by 10% instead.


 38.6160, 32.4961,
7.2547


 38.6160, 32.4961,
7.2547


331.4905,
313.3730, 179.4740


 26.6405, 21.7407,
3.5410


 72.3492, 63.5880,
21.0053

 17.4386, 13.6665,
1.3771


 94.8375, 84.6933,
31.8794

 10.6449, 7.8891,
0.1238


 121.5609,
110.0174, 45.9773

 5.8941, 4.0241,
0.0000

 152.8847,
139.9446, 63.7177

 2.8209, 1.6870,
0.0000

 189.1742,
174.8594, 85.5190

 1.0598, 0.4152,
0.0000

 230.7947,

 0.0000, 0.0000,

215.1461, 111.7998

0.0000

278.1117,
261.1892, 142.9786

■ 38.6160, 32.4961,
7.2547

■ 38.6160, 32.4961,
7.2547

■ 36.7924, 29.4350,
4.8411

■ 40.8308, 35.9755,
10.9233

■ 35.3144, 26.7617,
3.4766

■ 43.4682, 39.8893,
15.9986

■ 34.9530, 26.0916,
3.1939

■ 46.5582, 44.2580,
22.6125

■ 50.1269, 49.0991,
30.8808

■ 54.1980, 54.4290,
40.9081

■ 58.7937, 60.2631,
52.7904

■ 63.9346, 66.6158,
66.6165

■ 69.6400, 73.5011,
82.4697

■ 75.9282, 80.9323,
100.4282

Harmonies

Analogous

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



46.8523, 32.4961, 14.4111



38.6160, 32.4961, 7.2547



29.5056, 32.4961, 5.8238

Triad

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



38.6160, 32.4961, 7.2547



16.9809, 32.4961, 39.5518



41.5034, 32.4961, 91.4809

Complementary

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



38.6160, 32.4961, 7.2547



23.0372, 23.4525, 71.0222

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.



32.3099, 32.4961, 108.3085



38.6160, 32.4961, 7.2547



19.0352, 32.4961, 70.5672

Square

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



38.6160, 32.4961, 7.2547



18.0378, 32.4961, 18.5802



24.2642, 32.4961, 99.2552



48.7277, 32.4961, 60.1115

Rectangle

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



38.6160, 32.4961, 7.2547



24.3620, 32.4961, 7.2015



24.2642, 32.4961, 99.2552



38.4830, 32.4961, 99.5603

Sweetspot

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



38.6167, 32.4978, 7.2553



78.2587, 79.2915, 63.6138



35.2311, 19.3271, 25.8555



16.2659, 16.3514, 12.3783



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.



38.6167, 32.4978, 7.2553



50.0172, 38.6416, 5.3882



54.9464, 65.1572, 12.6985



13.5848, 14.1089, 13.7329



20.6249, 15.5354, 1.9116



1.4223, 1.1787, 0.1526

Inverse Universe

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



23.0372, 23.4525, 71.0222



27.3583, 25.4704, 98.0821



15.4993, 8.3767, 68.5096



12.8804, 13.7005, 16.6177



11.0479, 9.9653, 41.0796



0.8019, 0.8180, 2.6901

Previews

White Background



This preview shows how the XYZ color 38.6160, 32.4961, 7.2547 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 38.6160, 32.4961, 7.2547 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 38.6160, 32.4961, 7.2547

Background



This preview shows how black text looks on a background with the XYZ color 38.6160, 32.4961, 7.2547.



This preview shows how white text looks on a background with the XYZ color 38.6160, 32.4961,

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

38.6160, 32.4961, 7.2547

Protanopia

29.6687, 32.6124, 8.4725

Deuteranopia

33.1555, 32.5262, 7.0133



Tritanopia

42.8854, 32.6785, 26.9690

Trichromacy



Original Color

38.6160, 32.4961, 7.2547

Protanomaly

32.3348, 32.0809, 7.9780

Deuteranomaly

34.8147, 32.2477, 7.0788

Tritanomaly

40.7804, 32.3880, 17.1988

Monochromacy



Original Color

38.6160, 32.4961, 7.2547

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.6897, 30.2754, 20.1458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6160, 32.4961, 7.2547 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(220, 134, 50)` looks like.

```
.text, #text, p{  
    color:rgb(220, 134, 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(220, 134, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 134, 50) }
```

Border

The CSS property to change the border of an element to XYZ 38.6160, 32.4961, 7.2547 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(220, 134, 50) }
```


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

```
.border{ border-color:rgb(220, 134, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 134, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 134, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 134, 50);  
box-shadow:4px 4px 4px 4px rgb(220, 134,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6160, 32.4961, 7.2547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 134, 50) }
```

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

```
.background{ background-color: rgb(220,  
134, 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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