

Converting Colors

XYZ(34.5302, 31.4840, 7.6666)

Have a look what the booklet for
XYZ(34.5302, 31.4840, 7.6666)
contains.

XYZ(34.5038, 31.4188, 7.6140)	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(34.5038, 31.4188,
7.6140)**

Conversions

Conversions Part 1

Format	Color
Hex	CB8B35
RGB	203, 139, 53
RGB Percent	80%, 55%, 21%
CMY	0.2039, 0.4549, 0.7921
CMYK	0.00, 0.32, 0.74, 0.20
HSL	34°, 59%, 50%
HSV	34°, 74%, 80%
XYZ	34.5038, 31.4188, 7.6140
YIQ	148.3320, 65.7500, -13.1780

Conversions

Conversions Part 2

Format	Color
R _Y B	165, 203, 53
Decimal	13339445
CIE Lab	62.86, 16.77, 53.57
CIE LCh	63, 56.131, 72.618
Yxy	31.4188, 0.4692, 0.4273
Android (android.graphics.Color)	4291529525 (0xFFCB8B35)
YUV	148.3320, -46.9987, 47.9438
Hunter-Lab	56.0525, 11.7861, 31.1830

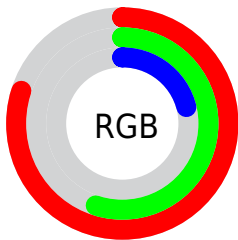
Details

The XYZ color **34.5038, 31.4188, 7.6140** is a dark color, and the websafe version is hex **CC9933**.

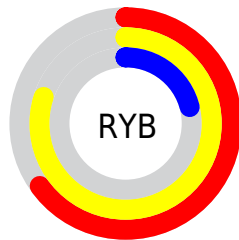
The color can be described as dark muted orange. A complement of this color would be **18.6085, 17.7903, 58.9526**, and the grayscale version is **28.4589, 29.9410, 32.6057**.

A 20% lighter version of the original color is **62.6394, 59.9792, 21.6403**, and **15.0740, 13.0740, 1.7291** is the 20% darker color. If you saturate the color by 10%, you get **32.9274, 28.8618, 5.2525**, and if you desaturate by 10%, it is **36.3787, 34.2568, 11.0508**.

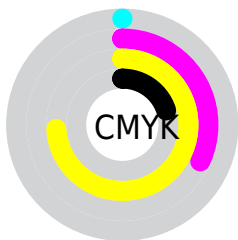
Distribution



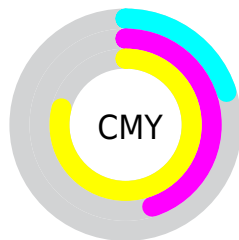
- Red (80%)
- Green (55%)
- Blue (21%)



- Red (65%)
- Yellow (80%)
- Blue (21%)



- Cyan (0%)
- Magenta (32%)
- Yellow (74%)
- Black (20%)





- Cyan (20%)
- Magenta (45%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5038, 31.4188, 7.6140 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 34.5038, 31.4188, 7.6140 by changing the saturation by 10% instead.


 34.5038, 31.4188,
7.6140


 34.5038, 31.4188,
7.6140


313.9192,
308.4631, 182.4923


 23.4456, 20.9180,
3.7648


 66.0555, 61.8988,
21.7317


 15.0454, 13.0640,
1.4972


 87.2796, 82.6468,
32.8373

 8.9378, 7.4727,
0.2158


 112.6232,
107.5793, 47.1987

 4.7574, 3.7594,
0.0000

 142.4515,
137.0807, 65.2345

 2.1389, 1.5399,
0.0000

 177.1299,
171.5354, 87.3632

 0.7102, 0.3166,
0.0000

 217.0238,

 0.0000, 0.0000,

211.3277, 114.0034

0.0000

262.4984,
256.8422, 145.5736

■ 34.5038, 31.4188,
7.6140

■ 34.5038, 31.4188,
7.6140

■ 32.9274, 28.8618,
5.2525

■ 36.3787, 34.2568,
11.0508

■ 31.6181, 26.5657,
3.8221

■ 38.5744, 37.3843,
15.6791

■ 30.9192, 25.2781,
3.2495

■ 41.1130, 40.8149,
21.6016

■ 44.0138, 44.5596,
28.9093

■ 47.2943, 48.6288,
37.6851

■ 50.9709, 53.0320,
48.0052

■ 55.0589, 57.7785,
59.9406

■ 59.5726, 62.8769,
73.5576

■ 64.5257, 68.3357,
88.9190

Harmonies

Analogous

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



42.1257, 31.4188, 12.7937



34.5038, 31.4188, 7.6140



26.7461, 31.4188, 7.2841

Triad

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



34.5038, 31.4188, 7.6140



17.6275, 31.4188, 44.3248



41.0414, 31.4188, 75.8192

Complementary

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



34.5038, 31.4188, 7.6140



18.6085, 17.7903, 58.9526

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.



33.2123, 31.4188, 94.4482



34.5038, 31.4188, 7.6140



20.2454, 31.4188, 71.6641

Square

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



34.5038, 31.4188, 7.6140



17.8524, 31.4188, 23.0493



25.6575, 31.4188, 92.6655



46.3227, 31.4188, 48.4922

Rectangle

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



34.5038, 31.4188, 7.6140



22.5770, 31.4188, 9.4940



25.6575, 31.4188, 92.6655



38.5679, 31.4188, 83.7433

Sweetspot

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



34.5045, 31.4204, 7.6146



80.1316, 82.5676, 65.6857



29.1717, 16.5509, 18.7970



16.8082, 17.2551, 13.1169



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.



34.5045, 31.4204, 7.6146



53.7071, 45.8579, 7.1225



43.9906, 54.3060, 11.5320



11.7374, 12.2637, 11.8279



19.7690, 16.2709, 2.0987



1.0942, 0.9880, 0.1330

Inverse Universe

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



18.6085, 17.7903, 58.9526



25.8479, 22.1029, 97.5117



14.1026, 7.9150, 57.2839



10.9887, 11.6178, 14.2337



9.0951, 7.2142, 36.8694



0.5439, 0.5217, 1.9270

Previews

White Background



This preview shows how the XYZ color 34.5038, 31.4188, 7.6140 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 34.5038, 31.4188, 7.6140 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 34.5038, 31.4188, 7.6140

Background



This preview shows how black text looks on a background with the XYZ color 34.5038, 31.4188, 7.6140.



This preview shows how white text looks on a background with the XYZ color 34.5038, 31.4188,

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

34.5038, 31.4188, 7.6140

Protanopia

28.7073, 31.6239, 8.4619

Deuteranopia

32.2088, 31.5662, 7.5273



Tritanopia

38.7287, 31.2686, 28.8052

Trichromacy



Original Color

34.5038, 31.4188, 7.6140

Protanomaly

30.5951, 31.4104, 8.1917

Deuteranomaly

32.9480, 31.4950, 7.5914

Tritanomaly

36.5479, 30.9796, 18.2407

Monochromacy



Original Color

34.5038, 31.4188, 7.6140

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.2545, 29.7679, 19.8267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5038, 31.4188, 7.6140 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(203, 139, 53)` looks like.

```
.text, #text, p{  
    color:rgb(203, 139, 53)  
}
```

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(203, 139, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 139, 53) }
```

Border

The CSS property to change the border of an element to XYZ 34.5038, 31.4188, 7.6140 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(203, 139, 53) }
```


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

```
.border{ border-color:rgb(203, 139, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 139, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 139, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 139, 53);  
box-shadow:4px 4px 4px 4px rgb(203, 139,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5038, 31.4188, 7.6140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 139, 53) }
```

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

```
.background{ background-color: rgb(203,  
139, 53) }
```

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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