

Converting Colors

XYZ(34.2213, 35.7912, 5.1002)

Have a look what the booklet for
XYZ(34.2213, 35.7912, 5.1002)
contains.

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Color

**XYZ(34.2192, 35.7912,
5.1048)**

Conversions

Conversions Part 1

Format	Color
Hex	C19E00
RGB	193, 158, 0
RGB Percent	76%, 62%, 0%
CMY	0.2431, 0.3804, 1.0000
CMYK	0.00, 0.18, 1.00, 0.24
HSL	49°, 100%, 38%
HSV	49°, 100%, 76%
XYZ	34.2192, 35.7912, 5.1048
YIQ	150.4530, 71.5780, -41.7180

Conversions

Conversions Part 2

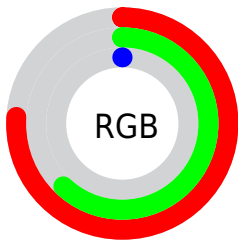
Format	Color
RYB	43, 193, 0
Decimal	12688896
CIELab	66.36, 0.70, 69.88
CIELCh	66, 69.887, 89.429
Yxy	35.7912, 0.4556, 0.4765
Android (android.graphics.Color)	4290878976 (0xFFC19E00)
YUV	150.4530, -74.1733, 37.3137
Hunter-Lab	59.8257, -2.5964, 36.8189

Details

The XYZ color **34.2192, 35.7912, 5.1048** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **10.2269, 5.0528, 50.8880**, and the grayscale version is **29.4682, 31.0029, 33.7621**.

A 20% lighter version of the original color is **65.6865, 68.6658, 16.4484**, and **15.0892, 15.5837, 2.2127** is the 20% darker color. If you saturate the color by 10%, you get **34.2195, 35.7922, 5.1050**, and if you desaturate by 10%, it is **34.9457, 37.0521, 5.9401**.

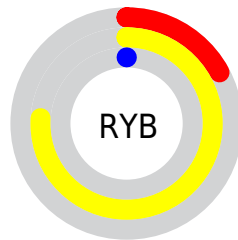
Distribution



Red (76%)

Green (62%)

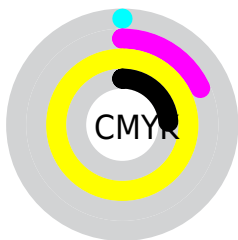
Blue (0%)



Red (17%)

Yellow (76%)

Blue (0%)

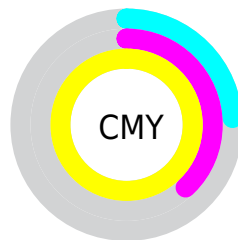


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2192, 35.7912, 5.1048 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 34.2192, 35.7912, 5.1048 by changing the saturation by 10% instead.

■ 34.2192, 35.7912,
5.1048

■ 34.2192, 35.7912,
5.1048

312.6771,
328.0470, 159.8109

■ 23.2257, 24.2730,
2.2491

■ 65.6164, 68.7097,
16.4868

■ 14.8819, 15.5362,
0.7025

■ 86.7509, 90.8787,
25.8501

■ 8.8223, 9.1966,
0.0000

■ 111.9964,
117.3668, 38.2197

■ 4.6816, 4.8696,
0.0000

■ 141.7183,
148.5583, 54.0141

■ 2.0945, 2.1710,
0.0000

■ 176.2820,
184.8377, 73.6519

■ 0.6862, 0.7041,
0.0000

■ 216.0528,

■ 0.0000, 0.0000,

226.5894, 97.5516

0.0000

261.3960,
274.1977, 126.1318

34.2192, 35.7912,
5.1048

34.2192, 35.7912,
5.1048

34.2195, 35.7922,
5.1050

34.9457, 37.0521,
5.9401

35.8079, 38.3932,
7.4093

36.8496, 39.8338,
9.7378

38.0925, 41.3827,
13.0405

39.5553, 43.0477,
17.4146

■ 41.2543, 44.8354,
22.9455

■ 43.2043, 46.7520,
29.7100

■ 45.4187, 48.8030,
37.7782

■ 47.9098, 50.9937,
47.2149

Harmonies

Analogous

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



45.2943, 35.7912, 7.4571



34.2192, 35.7912, 5.1048



25.0710, 35.7912, 7.2682

Triad

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



34.2192, 35.7912, 5.1048



19.3487, 35.7912, 74.6294



54.4145, 35.7912, 76.1725

Complementary

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



34.2192, 35.7912, 5.1048



10.2269, 5.0528, 50.8880

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.



44.8756, 35.7912, 113.6369



34.2192, 35.7912, 5.1048



24.7889, 35.7912, 112.4698

Square

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



34.2192, 35.7912, 5.1048



17.6237, 35.7912, 38.3996



33.8185, 35.7912, 129.4677



58.3228, 35.7912, 39.5471

Rectangle

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



34.2192, 35.7912, 5.1048



20.9257, 35.7912, 12.2483



33.8185, 35.7912, 129.4677



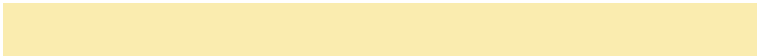
51.6754, 35.7912, 89.6510

Sweetspot

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



34.2200, 35.7929, 5.1055



77.2031, 83.5651, 52.5820



22.3015, 11.4613, 2.6577



16.2342, 17.6094, 10.1265



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.2200, 35.7929, 5.1055



61.1209, 63.7704, 9.0875



28.5679, 43.0361, 6.8015



10.7531, 11.4376, 10.7028



22.8138, 23.9133, 3.4133



1.0271, 1.1161, 0.1613

Inverse Universe

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



10.2269, 5.0528, 50.8880



18.1900, 8.7967, 91.0995



11.5579, 4.8466, 50.7780



9.6728, 10.0368, 12.7123



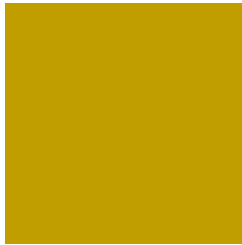
6.8448, 3.4460, 33.8610



0.3419, 0.2411, 1.4784

Previews

White Background



This preview shows how the XYZ color 34.2192, 35.7912, 5.1048 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 34.2192, 35.7912, 5.1048 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 34.2192, 35.7912, 5.1048

Background



This preview shows how black text looks on a background with the XYZ color 34.2192, 35.7912, 5.1048.



This preview shows how white text looks on a background with the XYZ color 34.2192, 35.7912,

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

34.2192, 35.7912, 5.1048

Protanopia

32.2556, 35.8033, 5.4404

Deuteranopia

36.3793, 35.6543, 5.4165



Tritanopia

40.6927, 35.7536, 37.1041

Trichromacy



Original Color

34.2192, 35.7912, 5.1048

Protanomaly

33.0220, 35.9398, 5.3402

Deuteranomaly

35.5955, 35.7440, 5.3103

Tritanomaly

36.7043, 35.0786, 17.1482

Monochromacy



Original Color

34.2192, 35.7912, 5.1048

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.1827, 31.7157, 15.4101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2192, 35.7912, 5.1048 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(193, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 158, 0)  
}
```

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(193, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 158, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.2192, 35.7912, 5.1048 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(193, 158, 0) }
```


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

```
.border{ border-color:rgb(193, 158, 0) }
```

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

Here you see how a box with a 4 pixel rgb(193, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 158,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2192, 35.7912, 5.1048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 158, 0) }
```

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

```
.background{ background-color: rgb(193,  
158, 0) }
```

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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