

Converting Colors

XYZ(35.8693, 36.8446, 8.8202)

Have a look what the booklet for
XYZ(35.8693, 36.8446, 8.8202)
contains.

XYZ(35.8527, 36.8079, 8.8294)	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(35.8527, 36.8079,
8.8294)**

Conversions

Conversions Part 1

Format	Color
Hex	C49F37
RGB	196, 159, 55
RGB Percent	77%, 62%, 22%
CMY	0.2314, 0.3764, 0.7843
CMYK	0.00, 0.19, 0.72, 0.23
HSL	44°, 56%, 49%
HSV	44°, 72%, 77%
XYZ	35.8527, 36.8079, 8.8294
YIQ	158.2070, 55.4360, -24.5000

Conversions

Conversions Part 2

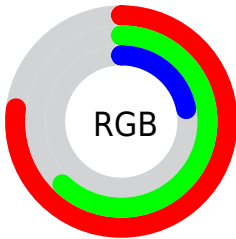
Format	Color
RYB	105, 196, 55
Decimal	12885815
CIELab	67.13, 2.94, 56.76
CIELCh	67, 56.841, 87.036
Yxy	36.8079, 0.4400, 0.4517
Android (android.graphics.Color)	4291075895 (0xFFC49F37)
YUV	158.2070, -50.8811, 33.1445
Hunter-Lab	60.6695, -0.6869, 33.8400

Details

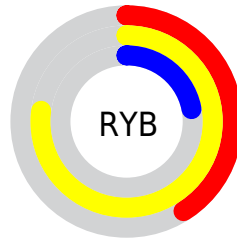
The XYZ color **35.8527, 36.8079, 8.8294** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **15.3664, 12.4516, 53.8178**, and the grayscale version is **32.8006, 34.5087, 37.5800**.

A 20% lighter version of the original color is **67.7410, 69.9312, 24.1151**, and **15.8438, 16.1284, 2.2780** is the 20% darker color. If you saturate the color by 10%, you get **34.6072, 34.9254, 6.5390**, and if you desaturate by 10%, it is **37.3232, 38.8422, 12.1158**.

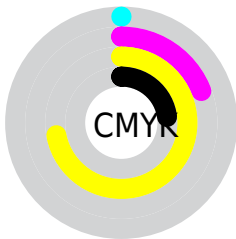
Distribution



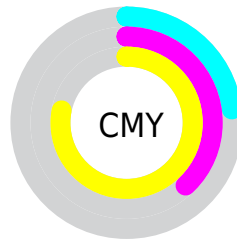
- Red (77%)
- Green (62%)
- Blue (22%)



- Red (41%)
- Yellow (77%)
- Blue (22%)



- Cyan (0%)
- Magenta (19%)
- Yellow (72%)
- Black (23%)





- Cyan (23%)
- Magenta (38%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8527, 36.8079, 8.8294 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 35.8527, 36.8079, 8.8294 by changing the saturation by 10% instead.


 35.8527, 36.8079,
8.8294


 35.8527, 36.8079,
8.8294


319.7587,
332.4781, 192.2711


 24.4900, 25.0588,
4.5348


 68.1300, 70.2772,
24.1415

 15.8242, 16.1209,
1.9231


 89.7754, 92.7663,
35.9961


 9.4899, 9.6097,
0.5074


 115.5790,
119.6040, 51.2078

 5.1217, 5.1410,
0.0000

 145.9063,
151.1750, 70.1950

 2.3544, 2.3302,
0.0000

 181.1225,
187.8634, 93.3765

 0.8223, 0.7896,
0.0000

 221.5931,

 0.0000, 0.0000,

230.0538, 121.1706

0.0000

267.6834,
278.1306, 153.9959

■ 35.8527, 36.8079,
8.8294

■ 35.8527, 36.8079,
8.8294

■ 34.6072, 34.9254,
6.5390

■ 37.3232, 38.8422,
12.1158

■ 33.5601, 33.1790,
5.1179

■ 39.0364, 41.0317,
16.5000

■ 32.8252, 31.8565,
4.4188

■ 41.0107, 43.3858,
22.0737

■ 43.2621, 45.9117,
28.9182

■ 45.8049, 48.6158,
37.1079

■ 48.6526, 51.5041,
46.7110

■ 51.8176, 54.5822,
57.7914

■ 55.3117, 57.8554,
70.4090

■ 59.1460, 61.3288,
84.6202

Harmonies

Analogous

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



44.8478, 36.8079, 11.9073



35.8527, 36.8079, 8.8294



27.9497, 36.8079, 10.8430

Triad

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



35.8527, 36.8079, 8.8294



22.1521, 36.8079, 65.8924



50.8948, 36.8079, 72.0215

Complementary

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



35.8527, 36.8079, 8.8294



15.3664, 12.4516, 53.8178

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.



43.1113, 36.8079, 99.3154



35.8527, 36.8079, 8.8294



26.6855, 36.8079, 94.8689

Square

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



35.8527, 36.8079, 8.8294



20.8532, 36.8079, 37.6624



34.1310, 36.8079, 109.0416



54.3841, 36.8079, 42.5938

Rectangle

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



35.8527, 36.8079, 8.8294



24.1611, 36.8079, 15.5732



34.1310, 36.8079, 109.0416



48.6370, 36.8079, 82.1476

Sweetspot

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



35.8535, 36.8097, 8.8301



82.7800, 87.8644, 66.5685



26.0894, 15.2517, 11.8326



17.4365, 18.5116, 13.3263



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.



35.8535, 36.8097, 8.8301



61.6249, 61.5277, 10.2732



35.5543, 47.5526, 10.9195



10.6826, 11.2966, 10.6793



21.1649, 20.6155, 2.8637



0.9680, 0.9979, 0.1416

Inverse Universe

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



15.3664, 12.4516, 53.8178



22.7025, 15.4604, 96.3954



15.3453, 8.7881, 53.1117



9.7384, 10.1682, 12.7342



7.2355, 4.2275, 33.9913



0.3710, 0.2995, 1.4881

Previews

White Background



This preview shows how the XYZ color 35.8527, 36.8079, 8.8294 looks on a white background.

Color Contrast Check

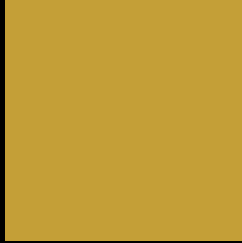
Large Text (above 18pt) WCAG AA × Fail

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 35.8527, 36.8079, 8.8294 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 35.8527, 36.8079, 8.8294

Background



This preview shows how black text looks on a background with the XYZ color 35.8527, 36.8079, 8.8294.



This preview shows how white text looks on a background with the XYZ color 35.8527, 36.8079,

8.8294.

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

35.8527, 36.8079, 8.8294

Protanopia

33.5177, 36.9037, 9.0979

Deuteranopia

37.3370, 36.5656, 8.8314



Tritanopia

41.9944, 36.8703, 38.1610

Trichromacy



Original Color

35.8527, 36.8079, 8.8294

Protanomaly

34.3732, 36.8176, 9.0362

Deuteranomaly

36.6897, 36.4800, 8.8490

Tritanomaly

38.9915, 36.6051, 23.4228

Monochromacy



Original Color

35.8527, 36.8079, 8.8294

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.6913, 34.6049, 23.0455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8527, 36.8079, 8.8294 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(196, 159, 55)` looks like.

```
.text, #text, p{  
    color:rgb(196, 159, 55)  
}
```

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(196, 159, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 159, 55) }
```

Border

The CSS property to change the border of an element to XYZ 35.8527, 36.8079, 8.8294 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(196, 159, 55) }
```


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

```
.border{ border-color:rgb(196, 159, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 159, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 159, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 159, 55);  
box-shadow:4px 4px 4px 4px rgb(196, 159,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8527, 36.8079, 8.8294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 159, 55) }
```

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

```
.background{ background-color: rgb(196,  
159, 55) }
```

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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