

Converting Colors

XYZ(35.0908, 32.7402, 5.9428)

Have a look what the booklet for
XYZ(35.0908, 32.7402, 5.9428)
contains.

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Color

**XYZ(34.9988, 32.5921,
5.8851)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8F21
RGB	204, 143, 33
RGB Percent	80%, 56%, 13%
CMY	0.2000, 0.4392, 0.8706
CMYK	0.00, 0.30, 0.84, 0.20
HSL	39°, 72%, 46%
HSV	39°, 84%, 80%
XYZ	34.9988, 32.5921, 5.8851
YIQ	148.6990, 71.6660, -21.2780

Conversions

Conversions Part 2

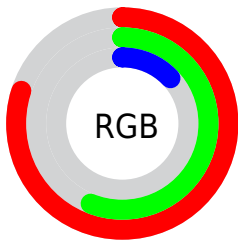
Format	Color
RYB	128, 204, 33
Decimal	13405985
CIELab	63.83, 14.29, 62.02
CIELCh	64, 63.642, 77.028
Yxy	32.5921, 0.4763, 0.4436
Android (android.graphics.Color)	4291596065 (0xFFCC8F21)
YUV	148.6990, -57.0396, 48.4990
Hunter-Lab	57.0895, 9.5231, 33.8507

Details

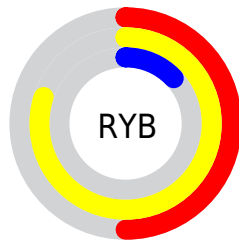
The XYZ color **34.9988, 32.5921, 5.8851** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **15.5288, 12.6880, 58.7568**, and the grayscale version is **28.6524, 30.1446, 32.8274**.

A 20% lighter version of the original color is **63.0094, 61.9138, 18.0808**, and **15.5914, 13.8484, 1.8513** is the 20% darker color. If you saturate the color by 10%, you get **33.7378, 30.3974, 4.4566**, and if you desaturate by 10%, it is **36.5050, 35.0010, 8.2490**.

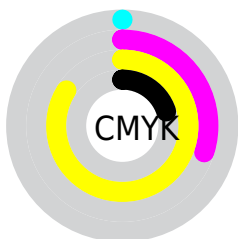
Distribution



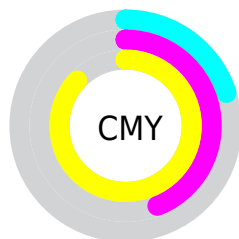
- Red (80%)
- Green (56%)
- Blue (13%)



- Red (50%)
- Yellow (80%)
- Blue (13%)



- Cyan (0%)
- Magenta (30%)
- Yellow (84%)
- Black (20%)





- Cyan (20%)
- Magenta (44%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9988, 32.5921, 5.8851 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 34.9988, 32.5921, 5.8851 by changing the saturation by 10% instead.


 34.9988, 32.5921,
5.8851


 34.9988, 32.5921,
5.8851


316.0711,
313.8077, 167.3116


 23.8285, 21.8142,
2.7077


 66.8179, 63.7382,
18.1655

 15.3305, 13.7204,
0.9473


 88.1975, 84.8751,
28.1055

 9.1395, 7.9265,
0.0000


 113.7107,
110.2338, 41.1368

 4.8901, 4.0479,
0.0000

 143.7231,
140.1986, 57.6780

 2.2170, 1.7004,
0.0000

 178.6000,
175.1541, 78.1475

 0.7517, 0.4239,
0.0000

 218.7068,

 0.0000, 0.0000,

215.4845, 102.9639

0.0000

264.4087,
261.5742, 132.5458

■ 34.9988, 32.5921,
5.8851

■ 34.9988, 32.5921,
5.8851

■ 33.7378, 30.3974,
4.4566

■ 36.5050, 35.0010,
8.2490

■ 33.0493, 29.1326,
3.8813

■ 38.2828, 37.6326,
11.6901

■ 40.3567, 40.5001,
16.3281

■ 42.7473, 43.6137,
22.2657

■ 45.4732, 46.9829,
29.5951

■ 48.5514, 50.6163,
38.3995

■ 51.9976, 54.5219,
48.7558

■ 55.8263, 58.7074,
60.7356

■ 60.0513, 63.1800,
74.4057

Harmonies

Analogous

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



44.2337, 32.5921, 10.2803



34.9988, 32.5921, 5.8851



26.2121, 32.5921, 6.1615

Triad

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



34.9988, 32.5921, 5.8851



17.2778, 32.5921, 51.9426



45.3333, 32.5921, 80.7304

Complementary

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



34.9988, 32.5921, 5.8851



15.5288, 12.6880, 58.7568

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.



36.2888, 32.5921, 106.4342



34.9988, 32.5921, 5.8851



20.6763, 32.5921, 85.0664

Square

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



34.9988, 32.5921, 5.8851



17.0653, 32.5921, 25.5440



27.2772, 32.5921, 108.3202



50.9283, 32.5921, 47.7246

Rectangle

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



34.9988, 32.5921, 5.8851



21.7369, 32.5921, 8.9094



27.2772, 32.5921, 108.3202



42.5246, 32.5921, 91.0806

Sweetspot

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



34.9995, 32.5937, 5.8857



79.6015, 82.8926, 61.2390



27.5433, 14.7643, 12.3928



16.6419, 17.2782, 11.9642



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.



34.9995, 32.5937, 5.8857



54.5230, 47.8260, 6.3577



40.9702, 53.1431, 9.5375



11.8041, 12.3972, 11.8502



20.8924, 18.5178, 2.4732



1.1479, 1.0954, 0.1509

Inverse Universe

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



15.5288, 12.6880, 58.7568



21.7875, 14.6950, 96.2958



13.0629, 6.2827, 57.6504



10.9238, 11.4879, 14.2120



8.4303, 5.8846, 36.6478



0.5062, 0.4461, 1.9144

Previews

White Background



This preview shows how the XYZ color 34.9988, 32.5921, 5.8851 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 34.9988, 32.5921, 5.8851 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 34.9988, 32.5921, 5.8851

Background



This preview shows how black text looks on a background with the XYZ color 34.9988, 32.5921, 5.8851.



This preview shows how white text looks on a background with the XYZ color 34.9988, 32.5921,

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

34.9988, 32.5921, 5.8851

Protanopia

29.4953, 32.5687, 6.4009

Deuteranopia

33.1867, 32.5685, 5.8335



Tritanopia

39.9238, 32.4599, 30.1478

Trichromacy



Original Color

34.9988, 32.5921, 5.8851

Protanomaly

31.3776, 32.5689, 6.2228

Deuteranomaly

33.8283, 32.6678, 5.8891

Tritanomaly

37.4063, 32.2805, 17.0912

Monochromacy



Original Color

34.9988, 32.5921, 5.8851

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.4497, 30.3640, 18.2186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9988, 32.5921, 5.8851 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(204, 143, 33)` looks like.

```
.text, #text, p{  
    color:rgb(204, 143, 33)  
}
```

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(204, 143, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 143, 33) }
```

Border

The CSS property to change the border of an element to XYZ 34.9988, 32.5921, 5.8851 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(204, 143, 33) }
```


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

```
.border{ border-color:rgb(204, 143, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 143, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 143, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 143, 33);  
box-shadow:4px 4px 4px 4px rgb(204, 143,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9988, 32.5921, 5.8851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 143, 33) }
```

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

```
.background{ background-color: rgb(204,  
143, 33) }
```

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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