

Converting Colors

XYZ(32.1861, 25.2965, 3.1863)

Have a look what the booklet for
XYZ(32.1861, 25.2965, 3.1863)
contains.

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Color

**XYZ(32.1996, 25.3656,
3.1989)**

Conversions

Conversions Part 1

Format	Color
Hex	D17100
RGB	209, 113, 0
RGB Percent	82%, 44%, 0%
CMY	0.1804, 0.5568, 1.0000
CMYK	0.00, 0.46, 1.00, 0.18
HSL	32°, 100%, 41%
HSV	32°, 100%, 82%
XYZ	32.1996, 25.3656, 3.1989
YIQ	128.8220, 93.4890, -14.7910

Conversions

Conversions Part 2

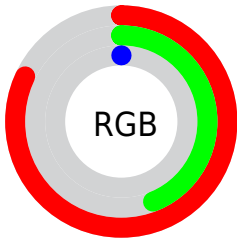
Format	Color
R_{YB}	178, 209, 0
Decimal	13725952
CIE Lab	57.43, 32.05, 64.89
CIE LCh	57, 72.373, 63.716
Yxy	25.3656, 0.5299, 0.4174
Android (android.graphics.Color)	4291916032 (0xFFD17100)
YUV	128.8220, -63.5092, 70.3161
Hunter-Lab	50.3643, 25.9837, 31.4892

Details

The XYZ color **32.1996, 25.3656, 3.1989** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **15.6913, 12.9688, 61.9972**, and the grayscale version is **20.9973, 22.0908, 24.0569**.

A 20% lighter version of the original color is **55.8893, 48.9377, 11.8104**, and **13.9902, 9.8509, 1.1640** is the 20% darker color. If you saturate the color by 10%, you get **32.1998, 25.3664, 3.1991**, and if you desaturate by 10%, it is **33.4629, 27.6774, 4.2835**.

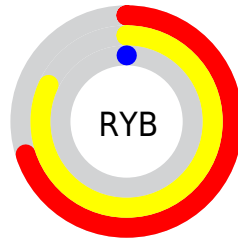
Distribution



Red (82%)

Green (44%)

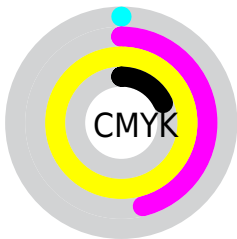
Blue (0%)



Red (70%)

Yellow (82%)

Blue (0%)

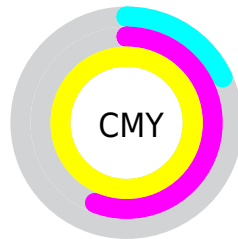


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1996, 25.3656, 3.1989 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 32.1996, 25.3656, 3.1989 by changing the saturation by 10% instead.


 32.1996, 25.3656,
3.1989


 32.1996, 25.3656,
3.1989


303.7566,
279.6538, 138.8549


 21.6703, 16.3496,
1.1971


 62.4870, 52.2497,
12.1154

 13.7301, 9.7719,
0.0000


 82.9757, 70.8867,
19.8672


 8.0136, 5.2480,
0.0000


 107.5150, 93.4994,
30.3727

 4.1555, 2.3935,
0.0000

 136.4701,
120.4723, 44.0504

 1.7905, 0.8225,
0.0000

 170.2065,
152.1898, 61.3190

 0.5119, 0.0000,
0.0000

 209.0895,

 0.0000, 0.0000,

189.0363, 82.5969

0.0000

■ 253.4844,
231.3962, 108.3027

■ 32.1996, 25.3656,
3.1989

■ 32.1996, 25.3656,
3.1989

■ 32.1998, 25.3664,
3.1991

■ 33.4629, 27.6774,
4.2835

■ 34.9879, 30.2794,
6.1727

■ 36.8273, 33.1989,
9.1266

■ 39.0109, 36.4528,
13.2867

■ 41.5643, 40.0562,
18.7726

■ 44.5100, 44.0226,
25.6893

■ 47.8686, 48.3646,
34.1311

■ 51.6590, 53.0943,
44.1841

■ 55.8987, 58.2227,
55.9282

Harmonies

Analogous

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



40.6485, 25.3656, 8.7878



32.1996, 25.3656, 3.1989



23.0533, 25.3656, 2.1890

Triad

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



32.1996, 25.3656, 3.1989



11.0849, 25.3656, 30.8033



34.5037, 25.3656, 88.7209

Complementary

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



32.1996, 25.3656, 3.1989



15.6913, 12.9688, 61.9972

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.



25.1969, 25.3656, 106.9742



32.1996, 25.3656, 3.1989



12.8031, 25.3656, 63.1345

Square

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



32.1996, 25.3656, 3.1989



12.1130, 25.3656, 11.5058



17.5021, 25.3656, 95.5725



42.1857, 25.3656, 54.3511

Rectangle

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



32.1996, 25.3656, 3.1989



18.0505, 25.3656, 2.9904



17.5021, 25.3656, 95.5725



31.3915, 25.3656, 97.6404

Sweetspot

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



32.2002, 25.3670, 3.1993



74.8834, 75.6090, 53.0304



28.4770, 14.4284, 12.7248



15.5321, 15.5480, 10.0855



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.



32.2002, 25.3670, 3.1993



50.3108, 39.4016, 4.9536



47.1662, 58.1616, 8.7406



12.3307, 12.8520, 12.4428



19.9534, 15.8397, 2.0057



1.1946, 1.0434, 0.1384

Inverse Universe

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



15.6913, 12.9688, 61.9972



24.4257, 19.9714, 97.1752



11.5958, 4.6485, 60.6071



11.6047, 12.2996, 15.0061



9.7709, 8.1884, 38.2580



0.6252, 0.6157, 2.1655

Previews

White Background



This preview shows how the XYZ color 32.1996, 25.3656, 3.1989 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 32.1996, 25.3656, 3.1989 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1996, 25.3656, 3.1989

Background



This preview shows how black text looks on a background with the XYZ color 32.1996, 25.3656, 3.1989.



This preview shows how white text looks on a background with the XYZ color 32.1996, 25.3656,

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

32.1996, 25.3656, 3.1989

Protanopia

23.0441, 25.5736, 4.2520

Deuteranopia

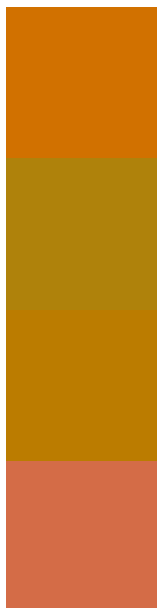
25.7955, 25.3466, 3.5328



Tritanopia

35.4168, 25.4191, 18.3689

Trichromacy



Original Color

32.1996, 25.3656, 3.1989

Protanomaly

25.7222, 25.1034, 3.8063

Deuteranomaly

27.7012, 24.9801, 3.3616

Tritanomaly

33.6513, 25.1771, 9.0473

Monochromacy



Original Color

32.1996, 25.3656, 3.1989

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.7065, 22.0442, 11.0408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1996, 25.3656, 3.1989 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(209, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 113, 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(209, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 113, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.1996, 25.3656, 3.1989 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(209, 113, 0) }
```


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

```
.border{ border-color:rgb(209, 113, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 113,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1996, 25.3656, 3.1989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 113, 0) }
```

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

```
.background{ background-color: rgb(209,  
113, 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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