

Converting Colors

XYZ(33.1310, 23.1960, 3.2058)

Have a look what the booklet for
XYZ(33.1310, 23.1960, 3.2058)
contains.

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Color

**XYZ(33.0992, 23.1273,
3.2097)**

Conversions

Conversions Part 1

Format	Color
Hex	DA5F10
RGB	218, 95, 16
RGB Percent	85%, 37%, 6%
CMY	0.1451, 0.6274, 0.9372
CMYK	0.00, 0.56, 0.93, 0.15
HSL	23°, 86%, 46%
HSV	23°, 93%, 85%
XYZ	33.0992, 23.1273, 3.2097
YIQ	122.7710, 98.6670, 1.5070

Conversions

Conversions Part 2

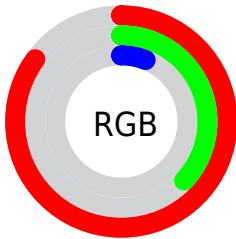
Format	Color
R_{YB}	218, 146, 16
Decimal	14311184
CIE _{Lab}	55.20, 44.86, 60.98
CIE _{LCh}	55, 75.706, 53.659
Yxy	23.1273, 0.5569, 0.3891
Android (android.graphics.Color)	4292501264 (0xFFDA5F10)
YUV	122.7710, -52.6381, 83.5158
Hunter-Lab	48.0909, 38.6961, 29.7064

Details

The XYZ color **33.0992, 23.1273, 3.2097** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **22.1004, 23.6359, 69.7265**, and the grayscale version is **18.8974, 19.8816, 21.6510**.

A 20% lighter version of the original color is **52.9996, 42.9077, 11.6195**, and **14.3455, 8.6245, 0.9086** is the 20% darker color. If you saturate the color by 10%, you get **32.1825, 21.4439, 2.4429**, and if you desaturate by 10%, it is **34.6522, 25.8286, 4.9762**.

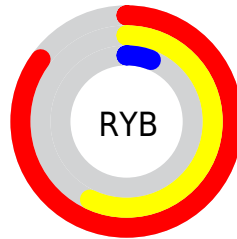
Distribution



Red (85%)

Green (37%)

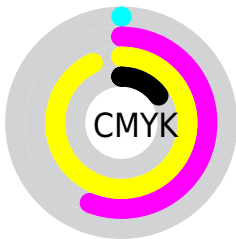
Blue (6%)



Red (85%)

Yellow (57%)

Blue (6%)

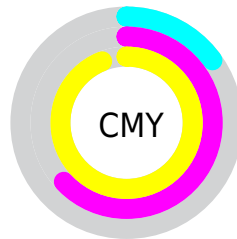


Cyan (0%)

Magenta (56%)

Yellow (93%)

Black (15%)



Cyan (15%)


Magenta (63%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0992, 23.1273, 3.2097 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 33.0992, 23.1273, 3.2097 by changing the saturation by 10% instead.


 33.0992, 23.1273,
3.2097


 33.0992, 23.1273,
3.2097


307.7536,
268.3782, 138.9882


 22.3620, 14.6875,
1.2027


 63.8840, 48.6023,
12.1416

 14.2413, 8.6004,
0.0000


 84.6624, 66.4063,
19.9037


 8.3715, 4.4815,
0.0000


 109.5186, 88.1004,
30.4211

 4.3874, 1.9464,
0.0000

 138.8179,
114.0692, 44.1124

 1.9235, 0.5760,
0.0000

 172.9257,
144.6970, 61.3963


 0.5905, 0.0000,
0.0000


 212.2073,


 0.0000, 0.0000,


180.3681, 82.6912


0.0000


 257.0282,
221.4671, 108.4156


 33.0992, 23.1273,
3.2097

 33.0992, 23.1273,
3.2097


 32.1825, 21.4439,
2.4429

 34.6522, 25.8286,
4.9762

 36.6234, 29.0375,
7.8948

 39.0537, 32.7857,
12.1341

 41.9776, 37.1006,
17.8343

 45.4258, 42.0074,
25.1172

■ 49.4261, 47.5294,
34.0920

■ 54.0042, 53.6885,
44.8577

■ 59.1841, 60.5056,
57.5060

■ 64.9882, 68.0005,
72.1219

Harmonies

Analogous

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



40.5015, 23.1273, 10.7315



33.0992, 23.1273, 3.2097



23.8278, 23.1273, 1.4606

Triad

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



33.0992, 23.1273, 3.2097



9.4541, 23.1273, 20.3787



29.1771, 23.1273, 96.4947

Complementary

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



33.0992, 23.1273, 3.2097



22.1004, 23.6359, 69.7265

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.



20.2337, 23.1273, 105.6610



33.0992, 23.1273, 3.2097



10.1950, 23.1273, 48.8848

Square

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



33.0992, 23.1273, 3.2097



11.3098, 23.1273, 6.4343



13.6826, 23.1273, 84.4352



37.8608, 23.1273, 64.1067

Rectangle

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



33.0992, 23.1273, 3.2097



18.3599, 23.1273, 1.6208



13.6826, 23.1273, 84.4352



26.0512, 23.1273, 102.9976

Sweetspot

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



33.0997, 23.1286, 3.2101



73.2750, 71.5542, 55.0772



33.8742, 17.1862, 26.5629



15.0971, 14.5207, 10.4254



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.



33.0997, 23.1286, 3.2101



45.7718, 30.3237, 3.4406



48.3951, 53.7194, 8.3085



13.4717, 13.8827, 13.6952



19.3784, 13.0424, 1.4961



1.3377, 1.0096, 0.1244

Inverse Universe

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



22.1004, 23.6359, 69.7265



29.8154, 30.7509, 98.9718



13.6129, 6.6609, 66.8973



12.9952, 13.9300, 16.6560



12.6924, 13.2543, 41.6278



0.9052, 1.0245, 2.7245

Previews

White Background



This preview shows how the XYZ color 33.0992, 23.1273, 3.2097 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 33.0992, 23.1273, 3.2097 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 33.0992, 23.1273, 3.2097

Background



This preview shows how black text looks on a background with the XYZ color 33.0992, 23.1273, 3.2097.



This preview shows how white text looks on a background with the XYZ color 33.0992, 23.1273,

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

33.0992, 23.1273, 3.2097

Protanopia

20.9798, 23.2438, 4.4176

Deuteranopia

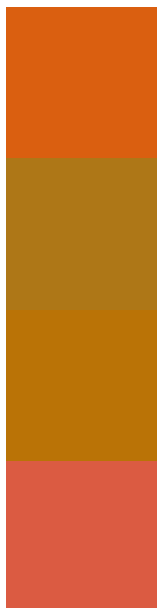
23.6093, 23.2465, 3.2427



Tritanopia

35.1080, 23.1686, 13.2113

Trichromacy



Original Color

33.0992, 23.1273, 3.2097

Protanomaly

24.2070, 22.2542, 3.8302

Deuteranomaly

26.4133, 22.7137, 3.1643

Tritanomaly

33.9379, 22.9356, 7.7925

Monochromacy



Original Color

33.0992, 23.1273, 3.2097

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

21.6059, 19.7194, 11.0550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0992, 23.1273, 3.2097 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(218, 95, 16)` looks like.

```
.text, #text, p{  
    color:rgb(218, 95, 16)  
}
```

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(218, 95, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 95, 16) }
```

Border

The CSS property to change the border of an element to XYZ 33.0992, 23.1273, 3.2097 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(218, 95, 16) }
```


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

```
.border{ border-color:rgb(218, 95, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 95, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 95, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 95, 16);  
box-shadow:4px 4px 4px 4px rgb(218, 95,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0992, 23.1273, 3.2097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 95, 16) }
```

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

```
.background{ background-color: rgb(218, 95,  
16) }
```

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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