

Converting Colors

XYZ(33.5886, 23.2286, 3.1675)

Have a look what the booklet for
XYZ(33.5886, 23.2286, 3.1675)
contains.

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Color

**XYZ(33.6041, 23.2555,
3.1696)**

Conversions

Conversions Part 1

Format	Color
Hex	DC5E0F
RGB	220, 94, 15
RGB Percent	86%, 37%, 6%
CMY	0.1373, 0.6313, 0.9412
CMYK	0.00, 0.57, 0.93, 0.14
HSL	23°, 87%, 46%
HSV	23°, 93%, 86%
XYZ	33.6041, 23.2555, 3.1696
YIQ	122.6680, 100.4550, 2.1430

Conversions

Conversions Part 2

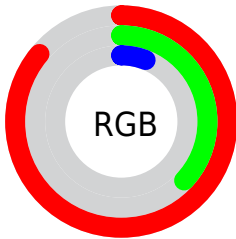
Format	Color
R_{YB}	220, 144, 15
Decimal	14441999
CIE _{Lab}	55.33, 46.08, 61.47
CIE _{LCh}	55, 76.819, 53.144
Yxy	23.2555, 0.5598, 0.3874
Android (android.graphics.Color)	4292632079 (0xFFDC5E0F)
YUV	122.6680, -53.0803, 85.3602
Hunter-Lab	48.2240, 39.9930, 29.8598

Details

The XYZ color **33.6041, 23.2555, 3.1696** 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 **22.6396, 24.3175, 71.2101**, and the grayscale version is **18.8644, 19.8468, 21.6132**.

A 20% lighter version of the original color is **52.9672, 42.8947, 11.4491**, and **14.6976, 8.7540, 0.9150** is the 20% darker color. If you saturate the color by 10%, you get **32.7466, 21.6788, 2.4585**, and if you desaturate by 10%, it is **35.1620, 25.9752, 4.9111**.

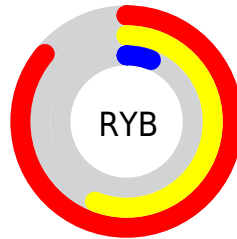
Distribution



Red (86%)

Green (37%)

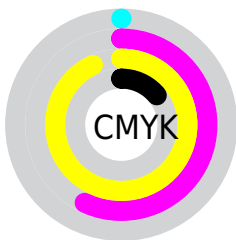
Blue (6%)



Red (86%)

Yellow (56%)

Blue (6%)

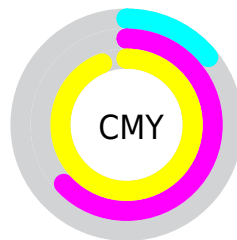


Cyan (0%)

Magenta (57%)

Yellow (93%)

Black (14%)



Cyan (14%)


Magenta (63%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6041, 23.2555, 3.1696 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 33.6041, 23.2555, 3.1696 by changing the saturation by 10% instead.


 33.6041, 23.2555,
3.1696


 33.6041, 23.2555,
3.1696


309.9802,
269.0346, 138.4922

 22.7511, 14.7823,
1.1819


 64.6659, 48.8125,
12.0441

 14.5295, 8.6667,
0.0000


 85.6054, 66.6651,
19.7680

 8.5740, 4.5244,
0.0000


 110.6378, 88.4129,
30.2411

 4.5192, 1.9710,
0.0000

 140.1284,
114.4404, 43.8818

 1.9999, 0.5906,
0.0000

 174.4426,
145.1319, 61.1087

 0.6339, 0.0000,
0.0000


 213.9457,


 0.0000, 0.0000,


180.8719, 82.3404


0.0000


 259.0031,
222.0446, 107.9954


 33.6041, 23.2555,
3.1696


 33.6041, 23.2555,
3.1696


 32.7466, 21.6788,
2.4585

 35.1620, 25.9752,
4.9111

 37.1480, 29.2184,
7.8201

 39.6047, 33.0184,
12.0713

 42.5679, 37.4040,
17.8093

 46.0695, 42.4014,
25.1597

■ 50.1382, 48.0351,
34.2348

■ 54.8008, 54.3282,
45.1364

■ 60.0819, 61.3022,
57.9586

■ 66.0048, 68.9780,
72.7889

Harmonies

Analogous

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



41.1050, 23.2555, 10.8762



33.6041, 23.2555, 3.1696



24.1409, 23.2555, 1.3880

Triad

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



33.6041, 23.2555, 3.1696



9.3979, 23.2555, 20.0692



29.2755, 23.2555, 98.8031

Complementary

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



33.6041, 23.2555, 3.1696



22.6396, 24.3175, 71.2101

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.



20.1844, 23.2555, 107.6797



33.6041, 23.2555, 3.1696



10.1016, 23.2555, 48.9226

Square

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



33.6041, 23.2555, 3.1696



11.3210, 23.2555, 6.1928



13.5814, 23.2555, 85.4194



38.1862, 23.2555, 65.7731

Rectangle

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



33.6041, 23.2555, 3.1696



18.5463, 23.2555, 1.5226



13.5814, 23.2555, 85.4194



26.0891, 23.2555, 105.3249

Sweetspot

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



33.6046, 23.2568, 3.1700



73.1732, 71.3506, 55.0433



34.5247, 17.4929, 26.9195



15.0729, 14.4725, 10.4174



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.



33.6046, 23.2568, 3.1700



45.6334, 30.0468, 3.3945



49.3599, 54.7674, 8.4217



13.4654, 13.8702, 13.6931



19.3190, 12.9236, 1.4763



1.3335, 1.0011, 0.1230

Inverse Universe

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



22.6396, 24.3175, 71.2101



30.0606, 31.2411, 99.0535



13.8382, 6.7147, 68.2763



13.0016, 13.9429, 16.6581



12.7949, 13.4593, 41.6619



0.9114, 1.0370, 2.7266

Previews

White Background



This preview shows how the XYZ color 33.6041, 23.2555, 3.1696 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 33.6041, 23.2555, 3.1696 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 33.6041, 23.2555, 3.1696

Background



This preview shows how black text looks on a background with the XYZ color 33.6041, 23.2555, 3.1696.



This preview shows how white text looks on a background with the XYZ color 33.6041, 23.2555,

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

33.6041, 23.2555, 3.1696

Protanopia

21.1630, 23.3382, 4.4262

Deuteranopia

23.6093, 23.2465, 3.2427



Tritanopia

35.5897, 23.2994, 12.9774

Trichromacy



Original Color

33.6041, 23.2555, 3.1696

Protanomaly

24.4307, 22.3695, 3.8407

Deuteranomaly

26.5382, 22.6104, 3.1091

Tritanomaly

34.4291, 23.0661, 7.6386

Monochromacy



Original Color

33.6041, 23.2555, 3.1696

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

21.4950, 19.4975, 11.0180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6041, 23.2555, 3.1696 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(220, 94, 15)` looks like.

```
.text, #text, p{  
    color:rgb(220, 94, 15)  
}
```

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(220, 94, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 94, 15) }
```

Border

The CSS property to change the border of an element to XYZ 33.6041, 23.2555, 3.1696 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(220, 94, 15) }
```


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

```
.border{ border-color:rgb(220, 94, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 94, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 94, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 94, 15);  
box-shadow:4px 4px 4px 4px rgb(220, 94,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6041, 23.2555, 3.1696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 94, 15) }
```

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

```
.background{ background-color: rgb(220, 94,  
15) }
```

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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