

Converting Colors

XYZ(33.3537, 23.0645, 3.1591)

Have a look what the booklet for
XYZ(33.3537, 23.0645, 3.1591)
contains.

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Color

**XYZ(33.3023, 23.1000,
3.1554)**

Conversions

Conversions Part 1

Format	Color
Hex	DB5E0F
RGB	219, 94, 15
RGB Percent	86%, 37%, 6%
CMY	0.1412, 0.6313, 0.9412
CMYK	0.00, 0.57, 0.93, 0.14
HSL	23°, 87%, 46%
HSV	23°, 93%, 86%
XYZ	33.3023, 23.1000, 3.1554
YIQ	122.3690, 99.8590, 1.9310

Conversions

Conversions Part 2

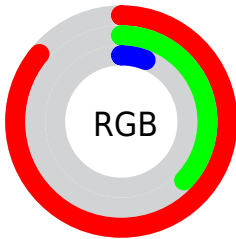
Format	Color
R _Y B	219, 144, 15
Decimal	14376463
CIE Lab	55.18, 45.70, 61.28
CIE LCh	55, 76.448, 53.287
Yxy	23.1000, 0.5592, 0.3879
Android (android.graphics.Color)	4292566543 (0xFFDB5E0F)
YUV	122.3690, -52.9329, 84.7454
Hunter-Lab	48.0625, 39.5727, 29.7512

Details

The XYZ color **33.3023, 23.1000, 3.1554** 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 **22.3602, 23.9702, 70.4653**, and the grayscale version is **18.7655, 19.7428, 21.4999**.

A 20% lighter version of the original color is **52.8110, 42.5824, 11.3970**, and **14.5032, 8.6538, 0.9059** is the 20% darker color. If you saturate the color by 10%, you get **32.4472, 21.5280, 2.4452**, and if you desaturate by 10%, it is **34.8478, 25.7975, 4.8850**.

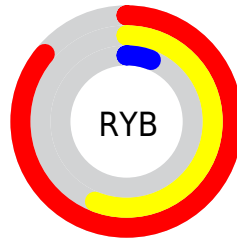
Distribution



Red (86%)

Green (37%)

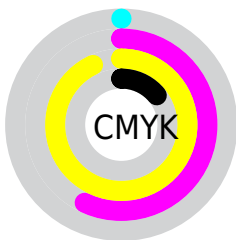
Blue (6%)



Red (86%)

Yellow (56%)

Blue (6%)

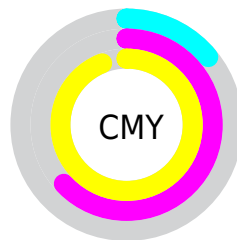


Cyan (0%)

Magenta (57%)

Yellow (93%)

Black (14%)



Cyan (14%)


Magenta (63%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3023, 23.1000, 3.1554 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 33.3023, 23.1000, 3.1554 by changing the saturation by 10% instead.


 33.3023, 23.1000,
3.1554


 33.3023, 23.1000,
3.1554


308.6507,
268.2382, 138.3159


 22.5185, 14.6674,
1.1745


 64.1987, 48.5575,
12.0095

 14.3571, 8.5863,
0.0000


 85.0420, 66.3511,
19.7199

 8.4528, 4.4723,
0.0000


 109.9692, 88.0339,
30.1772

 4.4403, 1.9411,
0.0000

 139.3456,
113.9901, 43.7998

 1.9541, 0.5729,
0.0000

 173.5366,
144.6043, 61.0065


 0.6080, 0.0000,
0.0000


 212.9076,


 0.0000, 0.0000,

180.2608, 82.2157


0.0000


 257.8238,
221.3439, 107.8460


 33.3023, 23.1000,
3.1554


 33.3023, 23.1000,
3.1554


 32.4472, 21.5280,
2.4452

 34.8478, 25.7975,
4.8850

 36.8160, 29.0107,
7.7701

 39.2487, 32.7726,
11.9833

 42.1814, 37.1112,
17.6675

 45.6454, 42.0525,
24.9468

■ 49.6691, 47.6204,
33.9322

■ 54.2788, 53.8376,
44.7243

■ 59.4989, 60.7253,
57.4161

■ 65.3523, 68.3038,
72.0941

Harmonies

Analogous

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



40.7464, 23.1000, 10.7697



33.3023, 23.1000, 3.1554



23.9311, 23.1000, 1.3944

Triad

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



33.3023, 23.1000, 3.1554



9.3563, 23.1000, 20.0472



29.1048, 23.1000, 97.7496

Complementary

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



33.3023, 23.1000, 3.1554



22.3602, 23.9702, 70.4653

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.



20.0924, 23.1000, 106.6771



33.3023, 23.1000, 3.1554



10.0670, 23.1000, 48.6876

Square

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



33.3023, 23.1000, 3.1554



11.2516, 23.1000, 6.2170



13.5328, 23.1000, 84.7854



37.9168, 23.1000, 65.0179

Rectangle

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



33.3023, 23.1000, 3.1554



18.3956, 23.1000, 1.5349



13.5328, 23.1000, 84.7854



25.9482, 23.1000, 104.2435

Sweetspot

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



33.3028, 23.1013, 3.1558



73.2069, 71.4180, 55.0545



34.1768, 17.3188, 26.6630



15.0809, 14.4885, 10.4200



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.



33.3028, 23.1013, 3.1558



45.6790, 30.1381, 3.4097



48.8592, 54.2140, 8.3412



13.4675, 13.8743, 13.6938



19.3386, 12.9628, 1.4828



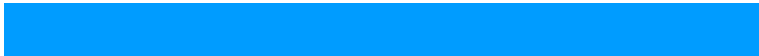
1.3349, 1.0039, 0.1234

Inverse Universe

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



22.3602, 23.9702, 70.4653



29.9789, 31.0779, 99.0263



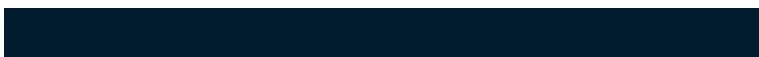
13.7021, 6.6541, 67.5793



12.9994, 13.9386, 16.6574



12.7608, 13.3910, 41.6506



0.9094, 1.0328, 2.7259

Previews

White Background



This preview shows how the XYZ color 33.3023, 23.1000, 3.1554 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 33.3023, 23.1000, 3.1554 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 33.3023, 23.1000, 3.1554

Background



This preview shows how black text looks on a background with the XYZ color 33.3023, 23.1000, 3.1554.



This preview shows how white text looks on a background with the XYZ color 33.3023, 23.1000,

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

33.3023, 23.1000, 3.1554

Protanopia

20.9684, 23.2392, 4.3577

Deuteranopia

23.6093, 23.2465, 3.2427



Tritanopia

35.2843, 23.1419, 12.9631

Trichromacy



Original Color

33.3023, 23.1000, 3.1554

Protanomaly

24.1972, 22.2502, 3.7785

Deuteranomaly

26.5382, 22.6104, 3.1091

Tritanomaly

34.1255, 22.9096, 7.6244

Monochromacy



Original Color

33.3023, 23.1000, 3.1554

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

21.2601, 19.3810, 10.8040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3023, 23.1000, 3.1554 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(219, 94, 15)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 94, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 94, 15) }
```

Border

The CSS property to change the border of an element to XYZ 33.3023, 23.1000, 3.1554 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(219, 94, 15) }
```


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

```
.border{ border-color:rgb(219, 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(219, 94, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 94, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 94, 15);  
box-shadow:4px 4px 4px 4px rgb(219, 94,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3023, 23.1000, 3.1554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 94, 15) }
```

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

```
.background{ background-color: rgb(219, 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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