

Converting Colors

XYZ(23.1228, 17.9398, 2.2440)

Have a look what the booklet for
XYZ(23.1228, 17.9398, 2.2440)
contains.

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Color

**XYZ(23.1483, 18.0082,
2.2559)**

Conversions

Conversions Part 1

Format	Color
Hex	B55F00
RGB	181, 95, 0
RGB Percent	71%, 37%, 0%
CMY	0.2902, 0.6274, 1.0000
CMYK	0.00, 0.48, 1.00, 0.29
HSL	31°, 100%, 35%
HSV	31°, 100%, 71%
XYZ	23.1483, 18.0082, 2.2559
YIQ	109.8840, 81.7510, -11.3130

Conversions

Conversions Part 2

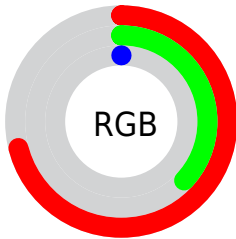
Format	Color
R_{YB}	164, 181, 0
Decimal	11886336
CIE _{Lab}	49.51, 29.89, 58.01
CIE _{LCh}	50, 65.259, 62.738
Yxy	18.0082, 0.5332, 0.4148
Android (android.graphics.Color)	4290076416 (0xFFB55F00)
YUV	109.8840, -54.1728, 62.3687
Hunter-Lab	42.4361, 23.1062, 26.5534

Details

The XYZ color **23.1483, 18.0082, 2.2559** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.6682, 9.9917, 45.0294**, and the grayscale version is **14.9225, 15.6996, 17.0969**.

A 20% lighter version of the original color is **48.1105, 39.9603, 9.7348**, and **8.9017, 6.0980, 0.7079** is the 20% darker color. If you saturate the color by 10%, you get **23.1484, 18.0087, 2.2560**, and if you desaturate by 10%, it is **24.0767, 19.6891, 3.1082**.

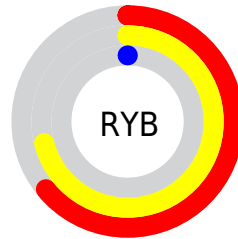
Distribution



Red (71%)

Green (37%)

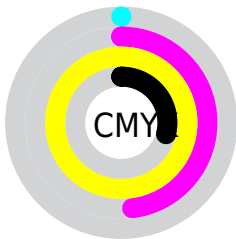
Blue (0%)



Red (64%)

Yellow (71%)

Blue (0%)

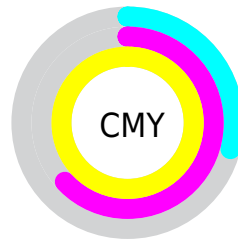


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (63%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1483, 18.0082, 2.2559 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 23.1483, 18.0082, 2.2559 by changing the saturation by 10% instead.


 23.1483, 18.0082,
2.2559


 23.1483, 18.0082,
2.2559


261.0069,
240.9173, 126.2318


 14.8243, 10.9559,
0.7064


 48.1016, 40.0513,
9.7293


 8.7817, 6.0372,
0.0000


 65.4616, 55.8109,
16.5125

 4.6550, 2.8677,
0.0000

 86.5644, 75.2416,
25.8849

 2.0790, 1.0631,
0.0000

 111.7753, 98.7280,
38.2648

 0.6777, 0.0000,
0.0000

 141.4596,
126.6543, 54.0710

 0.0000, 0.0000,
0.0000

 175.9828,

159.4051, 73.7218

■ 215.7101,
197.3646, 97.6359

■ 23.1483, 18.0082,
2.2559

■ 23.1483, 18.0082,
2.2559

■ 23.1484, 18.0087,
2.2560

■ 24.0767, 19.6891,
3.1082

■ 25.1943, 21.5860,
4.5242

■ 26.5426, 23.7202,
6.7073

■ 28.1425, 26.1041,
9.7558

■ 30.0120, 28.7486,
13.7533

■ 32.1672, 31.6637,
18.7732

■ 34.6227, 34.8587,
24.8817

■ 37.3920, 38.3424,
32.1395

■ 40.4875, 42.1231,
40.6025

Harmonies

Analogous

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



29.1656, 18.0082, 6.3720



23.1483, 18.0082, 2.2559



16.5555, 18.0082, 1.4824

Triad

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



23.1483, 18.0082, 2.2559



7.7879, 18.0082, 21.2769



24.3702, 18.0082, 64.3446

Complementary

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



23.1483, 18.0082, 2.2559



11.6682, 9.9917, 45.0294

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.



17.6895, 18.0082, 76.9226



23.1483, 18.0082, 2.2559



8.9485, 18.0082, 44.3316

Square

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



23.1483, 18.0082, 2.2559



8.5855, 18.0082, 7.7961



12.2353, 18.0082, 67.9975



29.9820, 18.0082, 39.6610

Rectangle

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



23.1483, 18.0082, 2.2559



12.9266, 18.0082, 1.9982



12.2353, 18.0082, 67.9975



22.1255, 18.0082, 70.6282

Sweetspot

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



23.1487, 18.0092, 2.2562



61.7740, 62.1309, 43.9628



20.7962, 10.5199, 10.0557



12.9456, 12.9049, 8.4781



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.1487, 18.0092, 2.2562



41.2290, 31.7941, 3.9639



34.8800, 42.5105, 6.3671



8.8531, 9.2187, 8.9653



16.0280, 12.5547, 1.5785



0.5622, 0.5109, 0.0690

Inverse Universe

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



11.6682, 9.9917, 45.0294



20.6727, 17.4452, 80.5723



8.3783, 3.3558, 43.9219



8.3639, 8.8739, 10.7783



8.1122, 7.0248, 31.0654



0.3138, 0.3381, 0.9970

Previews

White Background



This preview shows how the XYZ color 23.1483, 18.0082, 2.2559 looks on a white 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

Black Background



This preview shows how the XYZ color 23.1483, 18.0082, 2.2559 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 23.1483, 18.0082, 2.2559

Background



This preview shows how black text looks on a background with the XYZ color 23.1483, 18.0082, 2.2559.



This preview shows how white text looks on a background with the XYZ color 23.1483, 18.0082,

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

23.1483, 18.0082, 2.2559

Protanopia

16.3559, 18.2147, 3.1057

Deuteranopia

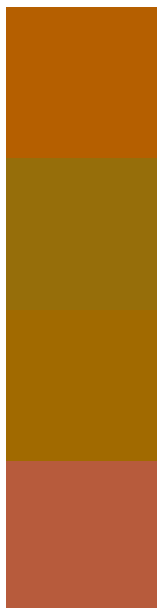
18.3718, 18.0724, 2.5200



Tritanopia

25.2773, 17.9779, 12.7275

Trichromacy



Original Color

23.1483, 18.0082, 2.2559

Protanomaly

18.2084, 17.6578, 2.7358

Deuteranomaly

19.8520, 17.8851, 2.4059

Tritanomaly

24.0851, 17.8757, 6.4559

Monochromacy



Original Color

23.1483, 18.0082, 2.2559

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.3104, 15.7796, 7.9805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1483, 18.0082, 2.2559 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(181, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 95, 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(181, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 95, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.1483, 18.0082, 2.2559 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(181, 95, 0) }
```


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

```
.border{ border-color:rgb(181, 95, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 95, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 95, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.1483, 18.0082, 2.2559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 95, 0) }
```

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

```
.background{ background-color: rgb(181, 95,  
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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