

Converting Colors

XYZ(23.0538, 16.9056, 2.0480)

Have a look what the booklet for
XYZ(23.0538, 16.9056, 2.0480)
contains.

XYZ(23.1754, 17.0067, 2.0612)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.1754, 17.0067,
2.0612)**

Conversions

Conversions Part 1

Format	Color
Hex	B85700
RGB	184, 87, 0
RGB Percent	72%, 34%, 0%
CMY	0.2784, 0.6588, 1.0000
CMYK	0.00, 0.53, 1.00, 0.28
HSL	28°, 100%, 36%
HSV	28°, 100%, 72%
XYZ	23.1754, 17.0067, 2.0612
YIQ	106.0850, 85.7390, -6.4930

Conversions

Conversions Part 2

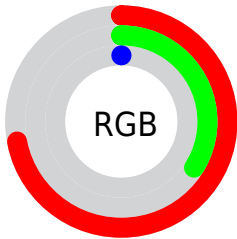
Format	Color
RYB	184, 165, 0
Decimal	12080896
CIELab	48.27, 35.35, 57.50
CIELCh	48, 67.501, 58.421
Yxy	17.0067, 0.5486, 0.4026
Android (android.graphics.Color)	4290270976 (0xFFB85700)
YUV	106.0850, -52.2999, 68.3315
Hunter-Lab	41.2392, 28.1440, 25.9040

Details

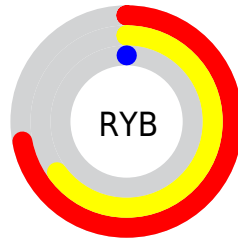
The XYZ color **23.1754, 17.0067, 2.0612** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.9265, 12.0101, 46.9841**, and the grayscale version is **13.8461, 14.5672, 15.8637**.

A 20% lighter version of the original color is **48.0810, 38.3950, 9.2917**, and **8.8615, 5.5972, 0.6133** is the 20% darker color. If you saturate the color by 10%, you get **23.1755, 17.0071, 2.0612**, and if you desaturate by 10%, it is **24.1271, 18.7304, 2.9335**.

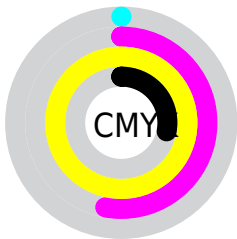
Distribution



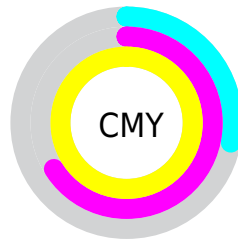
- Red (72%)
- Green (34%)
- Blue (0%)



- Red (72%)
- Yellow (65%)
- Blue (0%)



- Cyan (0%)
- Magenta (53%)
- Yellow (100%)
- Black (28%)



- Cyan (28%)
- Magenta (66%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1754, 17.0067, 2.0612 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 23.1754, 17.0067, 2.0612 by changing the saturation by 10% instead.

■ 23.1754, 17.0067,
2.0612

■ 23.1754, 17.0067,
2.0612

261.1432,
235.2110, 123.3200

■ 14.8445, 10.2393,
0.5925

■ 48.1457, 38.3373,
9.2074

■ 8.7959, 5.5579,
0.0000

■ 65.5158, 53.6692,
15.7678

■ 4.6643, 2.5782,
0.0000

■ 86.6297, 72.6248,
24.8778

■ 2.0844, 0.9157,
0.0000

■ 111.8527, 95.5884,
36.9559


■ 0.6807, 0.0000,
0.0000


■ 141.5502,
122.9445, 52.4206


■ 0.0000, 0.0000,
0.0000


■ 176.0875,


155.0773, 71.6905


 215.8301,
192.3713, 95.1841


 23.1754, 17.0067,
2.0612


 23.1754, 17.0067,
2.0612


 23.1755, 17.0071,
2.0612

 24.1271, 18.7304,
2.9335

 25.2939, 20.7144,
4.3995

 26.7191, 22.9831,
6.6683

 28.4258, 25.5512,
9.8429

 30.4336, 28.4321,
14.0105

■ 32.7603, 31.6382,
19.2482

■ 35.4220, 35.1808,
25.6250

■ 38.4334, 39.0708,
33.2043

■ 41.8086, 43.3184,
42.0449

Harmonies

Analogous

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



28.9425, 17.0067, 6.6295



23.1754, 17.0067, 2.0612



16.4922, 17.0067, 1.1074

Triad

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



23.1754, 17.0067, 2.0612



6.9961, 17.0067, 17.6004



22.4656, 17.0067, 67.0720

Complementary

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



23.1754, 17.0067, 2.0612



12.9265, 12.0101, 46.9841

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.



15.8409, 17.0067, 77.1254



23.1754, 17.0067, 2.0612



7.8402, 17.0067, 39.7446

Square

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



23.1754, 17.0067, 2.0612



8.0430, 17.0067, 5.8480



10.7325, 17.0067, 64.8963



28.4650, 17.0067, 42.4935

Rectangle

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



23.1754, 17.0067, 2.0612



12.7106, 17.0067, 1.3920



10.7325, 17.0067, 64.8963



20.1931, 17.0067, 72.7553

Sweetspot

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



23.1758, 17.0076, 2.0615



63.9535, 63.4356, 45.8169



21.9782, 11.0748, 12.5683



13.3385, 13.0828, 8.7887



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.1758, 17.0076, 2.0615



41.7765, 30.3590, 3.6580



35.6609, 41.9780, 6.2232



9.3454, 9.6937, 9.4854



16.0422, 11.8608, 1.4439



0.6276, 0.5422, 0.0716

Inverse Universe

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



12.9265, 12.0101, 46.9841



23.1906, 21.2874, 85.0912



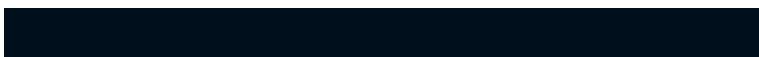
8.7184, 3.5940, 45.5814



8.9024, 9.4820, 11.4404



8.9800, 8.4196, 32.4049



0.3780, 0.4197, 1.1628

Previews

White Background



This preview shows how the XYZ color 23.1754, 17.0067, 2.0612 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 23.1754, 17.0067, 2.0612 looks on a black 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

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

XYZ 23.1754, 17.0067, 2.0612

Background



This preview shows how black text looks on a background with the XYZ color 23.1754, 17.0067, 2.0612.



This preview shows how white text looks on a background with the XYZ color 23.1754, 17.0067,

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

23.1754, 17.0067, 2.0612

Protanopia

15.5525, 17.2771, 3.0454

Deuteranopia

17.3227, 17.0483, 2.3776



Tritanopia

24.8718, 16.9958, 10.7737

Trichromacy



Original Color

23.1754, 17.0067, 2.0612

Protanomaly

17.6897, 16.6113, 2.5906

Deuteranomaly

19.1509, 16.7809, 2.2297

Tritanomaly

23.7904, 16.7766, 5.5988

Monochromacy



Original Color

23.1754, 17.0067, 2.0612

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.3065, 14.3973, 7.2824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1754, 17.0067, 2.0612 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(184, 87, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 87, 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(184, 87, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 87, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.1754, 17.0067, 2.0612 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(184, 87, 0) }
```


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

```
.border{ border-color:rgb(184, 87, 0) }
```

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

Here you see how a box with a 4 pixel rgb(184, 87, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 87, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 87, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 87, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.1754, 17.0067, 2.0612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 87, 0) }
```

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

```
.background{ background-color: rgb(184, 87,  
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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