

Converting Colors

XYZ(23.6263, 12.1683, 1.6259)

Have a look what the booklet for
XYZ(23.6263, 12.1683, 1.6259)
contains.

XYZ(23.6544, 12.1826, 1.6351)	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(23.6544, 12.1826,
1.6351)**

Conversions

Conversions Part 1

Format	Color
Hex	C70011
RGB	199, 0, 17
RGB Percent	78%, 0%, 7%
CMY	0.2196, 0.9998, 0.9333
CMYK	0.00, 1.00, 0.91, 0.22
HSL	355°, 100%, 39%
HSV	355°, 100%, 78%
XYZ	23.6544, 12.1826, 1.6351
YIQ	61.4390, 113.1470, 47.4750

Conversions

Conversions Part 2

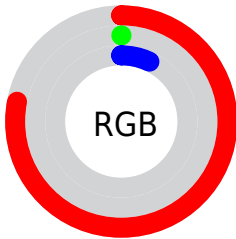
Format	Color
RYB	199, 0, 17
Decimal	13041681
CIELab	41.50, 66.64, 49.80
CIELCh	42, 83.194, 36.773
Yxy	12.1826, 0.6313, 0.3251
Android (android.graphics.Color)	4291231761 (0xFFC70011)
YUV	61.4390, -21.9084, 120.6410
Hunter-Lab	34.9036, 59.8894, 21.6550

Details

The XYZ color **23.6544, 12.1826, 1.6351** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **28.8713, 44.2258, 51.2916**, and the grayscale version is **4.5202, 4.7557, 5.1789**.

A 20% lighter version of the original color is **45.3357, 27.9708, 7.8599**, and **9.9917, 5.1509, 0.4676** is the 20% darker color. If you saturate the color by 10%, you get **23.6539, 12.1824, 1.6336**, and if you desaturate by 10%, it is **24.1086, 12.7628, 2.7989**.

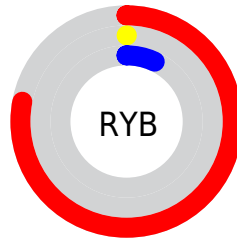
Distribution



Red (78%)

Green (0%)

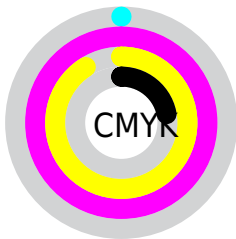
Blue (7%)



Red (78%)

Yellow (0%)

Blue (7%)

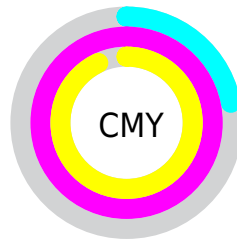


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (22%)



Cyan (22%)


Magenta (100%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6544, 12.1826, 1.6351 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 23.6544, 12.1826, 1.6351 by changing the saturation by 10% instead.


 23.6544, 12.1826,
1.6351


 23.6544, 12.1826,
1.6351


 263.5416,
205.6104, 116.4254


 15.2008, 6.8682,
0.3157


 48.9244, 29.8272,
8.0168


 9.0477, 3.3798,
0.0000


 66.4716, 42.9262,
14.0507


 4.8296, 1.3331,
0.0000

 87.7806, 59.3889,
22.5381

 2.1814, 0.1666,
0.0000

 113.2169, 79.5995,
33.8974


 0.7329, 0.0000,
0.0000


 143.1458,
103.9426, 48.5473


 0.0000, 0.0000,
0.0000


 177.9326,


132.8025, 66.9062


 217.9428,
166.5637, 89.3927


 23.6544, 12.1826,
1.6351


 23.6544, 12.1826,
1.6351


 23.6539, 12.1824,
1.6336

 24.1086, 12.7628,
2.7989

 24.9585, 13.9097,
4.7870

 26.3124, 15.8094,
7.7294

 28.2330, 18.5619,
11.7265

 30.7740, 22.2515,
16.8656

■ 33.9826, 26.9528,
23.2253

■ 37.9016, 32.7326,
30.8770

■ 42.5702, 39.6520,
39.8864

■ 48.0245, 47.7677,
50.3152

Harmonies

Analogous

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



27.4448, 12.1826, 9.7036



23.6544, 12.1826, 1.6351



16.8129, 12.1826, 0.0000

Triad

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



23.6544, 12.1826, 1.6351



3.8298, 12.1826, 3.9731



13.0094, 12.1826, 81.7261

Complementary

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



23.6544, 12.1826, 1.6351



28.8713, 44.2258, 51.2916

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.



7.5628, 12.1826, 73.6922



23.6544, 12.1826, 1.6351



3.4314, 12.1826, 17.6053

Square

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



23.6544, 12.1826, 1.6351



5.9079, 12.1826, 0.3440



4.5258, 12.1826, 44.9769



20.0554, 12.1826, 62.0171

Rectangle

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



23.6544, 12.1826, 1.6351



12.2480, 12.1826, 0.0000



4.5258, 12.1826, 44.9769



10.9352, 12.1826, 82.3328

Sweetspot

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



23.6547, 12.1834, 1.6353



66.0193, 56.8038, 53.3955



28.9235, 13.7204, 55.1563



13.4744, 11.1890, 10.1511



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.



23.6547, 12.1834, 1.6353



41.3823, 21.3169, 2.6794



26.3945, 17.8245, 2.0505



10.6700, 10.6514, 11.2453



15.2239, 7.8391, 1.1231



0.7338, 0.3764, 0.1214

Inverse Universe

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



23.6547, 12.1834, 1.6353



41.3823, 21.3169, 2.6794



16.9557, 17.4166, 56.5005



10.6700, 10.6514, 11.2453



15.2239, 7.8391, 1.1231



0.7338, 0.3764, 0.1214

Previews

White Background



This preview shows how the XYZ color 23.6544, 12.1826, 1.6351 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



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 23.6544, 12.1826, 1.6351

Background



This preview shows how black text looks on a background with the XYZ color 23.6544, 12.1826, 1.6351.



This preview shows how white text looks on a background with the XYZ color 23.6544, 12.1826,

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

23.6544, 12.1826, 1.6351

Protanopia

11.6245, 12.8676, 3.3844

Deuteranopia

12.8446, 12.6964, 1.7737



Tritanopia

23.5050, 12.4384, 1.1620

Trichromacy



Original Color

23.6544, 12.1826, 1.6351

Protanomaly

13.5446, 9.6799, 2.2531

Deuteranomaly

14.7856, 10.0172, 1.3265

Tritanomaly

23.4412, 12.2583, 1.3029

Monochromacy



Original Color

23.6544, 12.1826, 1.6351

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.7547, 5.0200, 3.0429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6544, 12.1826, 1.6351 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(199, 0, 17)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 17)  
}
```

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(199, 0, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 17) }
```

Border

The CSS property to change the border of an element to XYZ 23.6544, 12.1826, 1.6351 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(199, 0, 17) }
```


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

```
.border{ border-color:rgb(199, 0, 17) }
```

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

Here you see how a box with a 4 pixel rgb(199, 0, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 17);  
box-shadow:4px 4px 4px 4px rgb(199, 0, 17)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.6544, 12.1826, 1.6351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 17) }
```

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

```
.background{ background-color: rgb(199, 0,  
17) }
```

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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