

Converting Colors

XYZ(23.5733, 12.1471, 1.3466)

Have a look what the booklet for
XYZ(23.5733, 12.1471, 1.3466)
contains.

XYZ(23.6025, 12.1618, 1.3619)	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(23.6025, 12.1618,
1.3619)**

Conversions

Conversions Part 1

Format	Color
Hex	C70009
RGB	199, 0, 9
RGB Percent	78%, 0%, 4%
CMY	0.2196, 0.9998, 0.9647
CMYK	0.00, 1.00, 0.95, 0.22
HSL	357°, 100%, 39%
HSV	357°, 100%, 78%
XYZ	23.6025, 12.1618, 1.3619
YIQ	60.5270, 115.7150, 44.9870

Conversions

Conversions Part 2

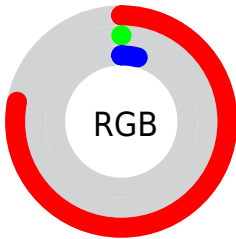
Format	Color
R_{YB}	199, 0, 9
Decimal	13041673
CIE Lab	41.47, 66.55, 52.66
CIE LCh	41, 84.867, 38.356
Yxy	12.1618, 0.6357, 0.3276
Android (android.graphics.Color)	4291231753 (0xFFC70009)
YUV	60.5270, -25.4028, 121.4408
Hunter-Lab	34.8738, 59.7793, 22.0962

Details

The XYZ color **23.6025, 12.1618, 1.3619** 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 **29.7221, 44.5662, 55.7723**, and the grayscale version is **4.3948, 4.6237, 5.0352**.

A 20% lighter version of the original color is **45.1740, 27.9061, 7.0085**, and **9.9917, 5.1509, 0.4676** is the 20% darker color. If you saturate the color by 10%, you get **23.6021, 12.1617, 1.3609**, and if you desaturate by 10%, it is **24.0117, 12.7240, 2.2893**.

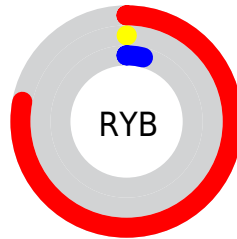
Distribution



Red (78%)

Green (0%)

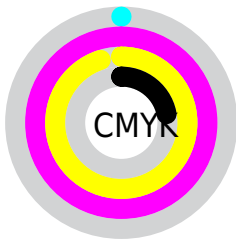
Blue (4%)



Red (78%)

Yellow (0%)

Blue (4%)

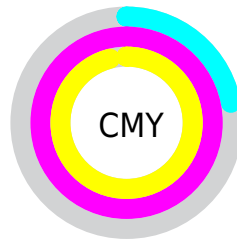


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (22%)



Cyan (22%)


Magenta (100%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6025, 12.1618, 1.3619 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 23.6025, 12.1618, 1.3619 by changing the saturation by 10% instead.


 23.6025, 12.1618,
1.3619


 23.6025, 12.1618,
1.3619


 263.2826,
205.4735, 111.5140


 15.1622, 6.8540,
0.1117


 48.8402, 29.7894,
7.2086


 9.0203, 3.3709,
0.0000


 66.3682, 42.8781,
12.8688


 4.8117, 1.3283,
0.0000

 87.6562, 59.3290,
20.9116

 2.1708, 0.1630,
0.0000

 113.0694, 79.5268,
31.7556

 0.7273, 0.0000,
0.0000


 142.9734,
103.8557, 45.8193


 0.0000, 0.0000,
0.0000


 177.7333,


132.7002, 63.5213


 217.7146,
166.4447, 85.2800


 23.6025, 12.1618,
1.3619


 23.6025, 12.1618,
1.3619

 23.6021, 12.1617,
1.3609

 24.0117, 12.7240,
2.2893

 24.8196, 13.8540,
4.0561

 26.1389, 15.7399,
6.8164

 28.0355, 18.4826,
10.6872

 30.5656, 22.1678,
15.7693

■ 33.7786, 26.8708,
22.1522

■ 37.7190, 32.6590,
29.9169

■ 42.4277, 39.5944,
39.1378

■ 47.9423, 47.7341,
49.8841

Harmonies

Analogous

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



27.7479, 12.1618, 8.8874



23.6025, 12.1618, 1.3619



16.5183, 12.1618, 0.0000

Triad

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



23.6025, 12.1618, 1.3619



3.6598, 12.1618, 4.2396



13.3733, 12.1618, 83.4879

Complementary

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



23.6025, 12.1618, 1.3619



29.7221, 44.5662, 55.7723

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.



7.7079, 12.1618, 76.7249



23.6025, 12.1618, 1.3619



3.3392, 12.1618, 18.8277

Square

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



23.6025, 12.1618, 1.3619



5.6433, 12.1618, 0.3463



4.5219, 12.1618, 47.5654



20.6101, 12.1618, 61.8539

Rectangle

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



23.6025, 12.1618, 1.3619



11.9036, 12.1618, 0.0000



4.5219, 12.1618, 47.5654



11.2219, 12.1618, 84.6785

Sweetspot

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



23.6028, 12.1626, 1.3621



65.6980, 56.6753, 51.7034



31.3082, 14.9497, 55.2679



13.4015, 11.1598, 9.7671



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.



23.6028, 12.1626, 1.3621



41.3033, 21.2853, 2.2631



27.1733, 19.3822, 2.3101



10.6529, 10.6445, 11.1555



15.1855, 7.8238, 0.9209



0.7259, 0.3732, 0.0800

Inverse Universe

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



23.6028, 12.1626, 1.3621



41.3033, 21.2853, 2.2631



15.8278, 15.1609, 56.1246



10.6529, 10.6445, 11.1555



15.1855, 7.8238, 0.9209



0.7259, 0.3732, 0.0800

Previews

White Background



This preview shows how the XYZ color 23.6025, 12.1618, 1.3619 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 23.6025, 12.1618, 1.3619 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 23.6025, 12.1618, 1.3619

Background



This preview shows how black text looks on a background with the XYZ color 23.6025, 12.1618, 1.3619.



This preview shows how white text looks on a background with the XYZ color 23.6025, 12.1618,

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

23.6025, 12.1618, 1.3619

Protanopia

11.6733, 12.9019, 2.9737

Deuteranopia

12.8446, 12.6964, 1.7737



Tritanopia

23.2423, 12.3029, 1.1497

Trichromacy



Original Color

23.6025, 12.1618, 1.3619

Protanomaly

13.4704, 9.6502, 1.8622

Deuteranomaly

14.7692, 10.0106, 1.2400

Tritanomaly

23.4248, 12.2517, 1.2163

Monochromacy



Original Color

23.6025, 12.1618, 1.3619

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.6990, 4.9977, 2.7494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6025, 12.1618, 1.3619 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, 9)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 9)  
}
```

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, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 9) }
```

Border

The CSS property to change the border of an element to XYZ 23.6025, 12.1618, 1.3619 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, 9) }
```


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

```
.border{ border-color:rgb(199, 0, 9) }
```

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, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(199, 0, 9); box-shadow:4px  
4px 4px 4px rgb(199, 0, 9) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6025, 12.1618, 1.3619 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, 9) }
```

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

```
.background{ background-color: rgb(199, 0,  
9) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor