

Converting Colors

XYZ(23.6087, 12.1612, 1.5328)

Have a look what the booklet for
XYZ(23.6087, 12.1612, 1.5328)
contains.

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Color

**XYZ(23.6325, 12.1738,
1.5197)**

Conversions

Conversions Part 1

Format	Color
Hex	C7000E
RGB	199, 0, 14
RGB Percent	78%, 0%, 5%
CMY	0.2196, 0.9999, 0.9451
CMYK	0.00, 1.00, 0.93, 0.22
HSL	356°, 100%, 39%
HSV	356°, 100%, 78%
XYZ	23.6325, 12.1738, 1.5197
YIQ	61.0970, 114.1100, 46.5420

Conversions

Conversions Part 2

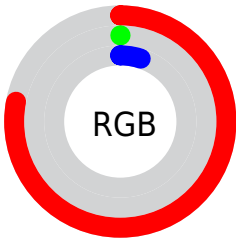
Format	Color
RYB	199, 0, 14
Decimal	13041678
CIELab	41.49, 66.60, 50.97
CIELCh	41, 83.867, 37.426
Yxy	12.1738, 0.6331, 0.3261
Android (android.graphics.Color)	4291231758 (0xFFC7000E)
YUV	61.0970, -23.2188, 120.9409
Hunter-Lab	34.8910, 59.8432, 21.8413

Details

The XYZ color **23.6325, 12.1738, 1.5197** 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 **29.1846, 44.3512, 52.9414**, and the grayscale version is **4.4728, 4.7058, 5.1246**.

A 20% lighter version of the original color is **45.2798, 27.9484, 7.5655**, and **9.9917, 5.1509, 0.4676** is the 20% darker color. If you saturate the color by 10%, you get **23.6321, 12.1737, 1.5185**, and if you desaturate by 10%, it is **24.0698, 12.7472, 2.5946**.

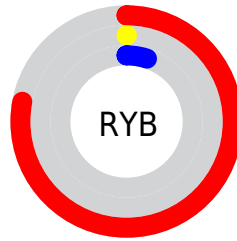
Distribution



Red (78%)

Green (0%)

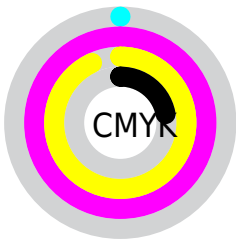
Blue (5%)



Red (78%)

Yellow (0%)

Blue (5%)

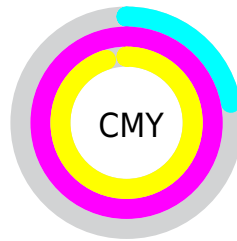


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (22%)



Cyan (22%)


Magenta (100%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6325, 12.1738, 1.5197 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 23.6325, 12.1738, 1.5197 by changing the saturation by 10% instead.


 23.6325, 12.1738,
1.5197


 23.6325, 12.1738,
1.5197


 263.4323,
205.5525, 114.4061


 15.1845, 6.8622,
0.2325


 48.8889, 29.8113,
7.6804


 9.0361, 3.3760,
0.0000


 66.4280, 42.9059,
13.5605


 4.8221, 1.3311,
0.0000

 87.7281, 59.3636,
21.8652

 2.1769, 0.1651,
0.0000

 113.1547, 79.5688,
33.0130

 0.7305, 0.0000,
0.0000


 143.0730,
103.9059, 47.4225


 0.0000, 0.0000,
0.0000


 177.8485,


132.7593, 65.5121


 217.8465,
166.5134, 87.7005


 23.6325, 12.1738,
1.5197


 23.6325, 12.1738,
1.5197


 23.6321, 12.1737,
1.5185

 24.0698, 12.7472,
2.5946

 24.9041, 13.8878,
4.5009

 26.2454, 15.7824,
7.3769

 28.1573, 18.5313,
11.3286

 30.6946, 22.2194,
16.4484

■ 33.9052, 26.9213,
22.8186

■ 37.8324, 32.7043,
30.5141

■ 42.5162, 39.6298,
39.6040

■ 47.9932, 47.7544,
50.1525

Harmonies

Analogous

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



27.5672, 12.1738, 9.3649



23.6325, 12.1738, 1.5197



16.6919, 12.1738, 0.0000

Triad

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



23.6325, 12.1738, 1.5197



3.7598, 12.1738, 4.0803



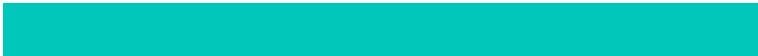
13.1566, 12.1738, 82.4383

Complementary

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



23.6325, 12.1738, 1.5197



29.1846, 44.3512, 52.9414

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.



7.6216, 12.1738, 74.9160



23.6325, 12.1738, 1.5197



3.3936, 12.1738, 18.0965

Square

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



23.6325, 12.1738, 1.5197



5.7990, 12.1738, 0.3450



4.5241, 12.1738, 46.0189



20.2797, 12.1738, 61.9484

Rectangle

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



23.6325, 12.1738, 1.5197



12.1065, 12.1738, 0.0000



4.5241, 12.1738, 46.0189



11.0512, 12.1738, 83.2807

Sweetspot

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



23.6328, 12.1746, 1.5199



65.8981, 56.7553, 52.7571



29.6998, 14.1206, 55.1927



13.4469, 11.1780, 10.0060



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.



23.6328, 12.1746, 1.5199



41.3483, 21.3033, 2.5005



26.6418, 18.3193, 2.1329



10.6636, 10.6488, 11.2116



15.2083, 7.8329, 1.0409



0.7309, 0.3752, 0.1058

Inverse Universe

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



23.6328, 12.1746, 1.5199



41.3483, 21.3033, 2.5005



16.5660, 16.6373, 56.3708



10.6636, 10.6488, 11.2116



15.2083, 7.8329, 1.0409



0.7309, 0.3752, 0.1058

Previews

White Background



This preview shows how the XYZ color 23.6325, 12.1738, 1.5197 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 23.6325, 12.1738, 1.5197

Background



This preview shows how black text looks on a background with the XYZ color 23.6325, 12.1738, 1.5197.



This preview shows how white text looks on a background with the XYZ color 23.6325, 12.1738,

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

23.6325, 12.1738, 1.5197

Protanopia

11.5965, 12.8564, 3.2368

Deuteranopia

12.8446, 12.6964, 1.7737



Tritanopia

23.5050, 12.4384, 1.1620

Trichromacy



Original Color

23.6325, 12.1738, 1.5197

Protanomaly

13.5105, 9.6663, 2.0734

Deuteranomaly

14.7801, 10.0150, 1.2977

Tritanomaly

23.4358, 12.2561, 1.2740

Monochromacy



Original Color

23.6325, 12.1738, 1.5197

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.7357, 5.0124, 2.9426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6325, 12.1738, 1.5197 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, 14)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 14)  
}
```

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, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 14) }
```

Border

The CSS property to change the border of an element to XYZ 23.6325, 12.1738, 1.5197 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, 14) }
```


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

```
.border{ border-color:rgb(199, 0, 14) }
```

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, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 14);  
box-shadow:4px 4px 4px 4px rgb(199, 0, 14)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.6325, 12.1738, 1.5197 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, 14) }
```

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

```
.background{ background-color: rgb(199, 0,  
14) }
```

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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