

Converting Colors

XYZ(21.0749, 7.6589, 0.0000)

Have a look what the booklet for
XYZ(21.0749, 7.6589, 0.0000)
contains.

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Color

**XYZ(23.2887, 12.0058,
1.0899)**

Conversions

Conversions Part 1

Format	Color
Hex	C60000
RGB	198, 0, 0
RGB Percent	78%, 0%, 0%
CMY	0.2235, 0.9998, 1.0000
CMYK	0.00, 1.00, 1.00, 0.22
HSL	0°, 100%, 39%
HSV	0°, 100%, 78%
XYZ	23.2887, 12.0058, 1.0899
YIQ	59.2020, 118.0080, 41.9760

Conversions

Conversions Part 2

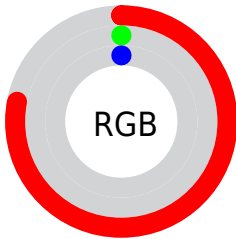
Format	Color
RYB	198, 0, 0
Decimal	12976128
CIELab	41.23, 66.22, 55.56
CIElCh	41, 86.438, 40.000
Yxy	12.0058, 0.6401, 0.3300
Android (android.graphics.Color)	4291166208 (0xFFC60000)
YUV	59.2020, -29.1866, 121.7258
Hunter-Lab	34.6494, 59.3378, 22.3896

Details

The XYZ color **23.2887, 12.0058, 1.0899** 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 **30.3773, 44.4459, 60.4034**, and the grayscale version is **4.2153, 4.4348, 4.8295**.

A 20% lighter version of the original color is **45.0302, 27.8486, 6.2508**, and **9.6729, 4.9865, 0.4527** is the 20% darker color. If you saturate the color by 10%, you get **23.2889, 12.0066, 1.0900**, and if you desaturate by 10%, it is **23.6603, 12.5501, 1.8279**.

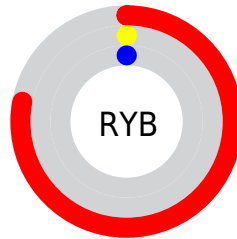
Distribution



Red (78%)

Green (0%)

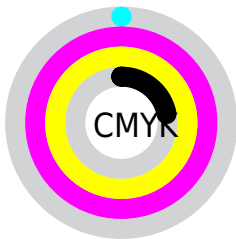
Blue (0%)



Red (78%)

Yellow (0%)

Blue (0%)

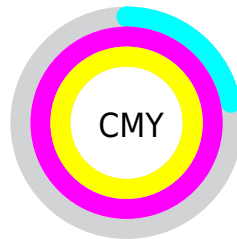


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2887, 12.0058, 1.0899 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 23.2887, 12.0058, 1.0899 by changing the saturation by 10% instead.


 23.2887, 12.0058,
1.0899


 23.2887, 12.0058,
1.0899


 261.7121,
204.4437, 106.0902


 14.9287, 6.7476,
0.0000


 48.3301, 29.5057,
6.3564


 8.8553, 3.3048,
0.0000


 65.7422, 42.5162,
11.6055


 4.7033, 1.2928,
0.0000

 86.9024, 58.8795,
19.1566

 2.1072, 0.1357,
0.0000

 112.1761, 78.9802,
29.4282


 0.6931, 0.0000,
0.0000


 141.9285,
103.2026, 42.8388


 0.0000, 0.0000,
0.0000


 176.5251,


131.9310, 59.8070


 216.3312,
165.5499, 80.7513


 23.2887, 12.0058,
1.0899


 23.2887, 12.0058,
1.0899

 23.2889, 12.0066,
1.0900

 23.6603, 12.5501,
1.8279

 24.4112, 13.6492,
3.3200

 25.6745, 15.4979,
5.8305

 27.5193, 18.1976,
9.4975

 30.0045, 21.8342,
14.4375

■ 33.1813, 26.4829,
20.7528

■ 37.0961, 32.2113,
28.5354

■ 41.7912, 39.0814,
37.8694

■ 47.3055, 47.1501,
48.8324

Harmonies

Analogous

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



27.7716, 12.0058, 7.9677



23.2887, 12.0058, 1.0899



16.0256, 12.0058, 0.0000

Triad

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



23.2887, 12.0058, 1.0899



3.4428, 12.0058, 4.4908



13.6237, 12.0058, 84.4947

Complementary

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



23.2887, 12.0058, 1.0899



30.3773, 44.4459, 60.4034

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.



7.7803, 12.0058, 79.2298



23.2887, 12.0058, 1.0899



3.2051, 12.0058, 19.9922

Square

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



23.2887, 12.0058, 1.0899



5.3065, 12.0058, 0.3400



4.4675, 12.0058, 49.9278



20.9898, 12.0058, 61.0056

Rectangle

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



23.2887, 12.0058, 1.0899



11.4111, 12.0058, 0.0000



4.4675, 12.0058, 49.9278



11.4112, 12.0058, 86.3189

Sweetspot

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



23.2889, 12.0066, 1.0901



65.3495, 56.5411, 49.8524



33.4814, 16.0828, 54.7652



13.3228, 11.1295, 9.3491



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.



23.2889, 12.0066, 1.0901



41.2406, 21.2612, 1.9302



27.7503, 20.9293, 2.5772



10.6341, 10.6373, 11.0555



15.1456, 7.8084, 0.7089



0.7172, 0.3699, 0.0336

Inverse Universe

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



30.3773, 44.4459, 60.4034



53.7928, 78.7057, 106.9643



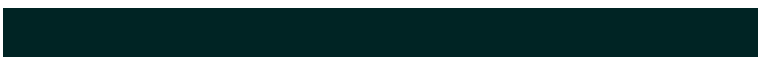
14.6548, 13.0009, 55.1626



10.9466, 12.0672, 13.6697



19.7554, 28.9047, 39.2823



0.9355, 1.3688, 1.8600

Previews

White Background



This preview shows how the XYZ color 23.2887, 12.0058, 1.0899 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 23.2887, 12.0058, 1.0899

Background



This preview shows how black text looks on a background with the XYZ color 23.2887, 12.0058, 1.0899.



This preview shows how white text looks on a background with the XYZ color 23.2887, 12.0058,

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

23.2887, 12.0058, 1.0899

Protanopia

11.4257, 12.6337, 2.8136

Deuteranopia

12.6964, 12.6200, 1.7667



Tritanopia

22.9813, 12.1684, 1.1375

Trichromacy



Original Color

23.2887, 12.0058, 1.0899

Protanomaly

13.2623, 9.5469, 1.6741

Deuteranomaly

14.5648, 9.9071, 1.1446

Tritanomaly

23.1456, 12.1097, 1.1175

Monochromacy



Original Color

23.2887, 12.0058, 1.0899

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

7.4734, 4.8412, 2.3743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2887, 12.0058, 1.0899 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(198, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(198, 0, 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(198, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.2887, 12.0058, 1.0899 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(198, 0, 0) }
```


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

```
.border{ border-color:rgb(198, 0, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(198, 0, 0); box-shadow:4px  
4px 4px 4px rgb(198, 0, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2887, 12.0058, 1.0899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 0, 0) }
```

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

```
.background{ background-color: rgb(198, 0,  
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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