

Converting Colors

XYZ(27.8215, 23.0325, 2.9794)

Have a look what the booklet for
XYZ(27.8215, 23.0325, 2.9794)
contains.

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Color

**XYZ(27.8974, 23.1477,
2.9976)**

Conversions

Conversions Part 1

Format	Color
Hex	C17100
RGB	193, 113, 0
RGB Percent	76%, 44%, 0%
CMY	0.2431, 0.5568, 1.0000
CMYK	0.00, 0.41, 1.00, 0.24
HSL	35°, 100%, 38%
HSV	35°, 100%, 76%
XYZ	27.8974, 23.1477, 2.9976
YIQ	124.0380, 83.9530, -18.1830

Conversions

Conversions Part 2

Format	Color
RYB	137, 193, 0
Decimal	12677376
CIELab	55.22, 25.29, 62.41
CIELCh	55, 67.337, 67.945
Yxy	23.1477, 0.5162, 0.4283
Android (android.graphics.Color)	4290867456 (0xFFC17100)
YUV	124.0380, -61.1507, 60.4797
Hunter-Lab	48.1121, 19.3057, 29.9844

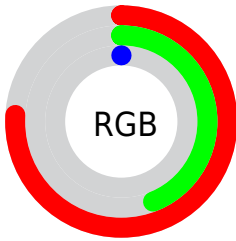
Details

The XYZ color **27.8974, 23.1477, 2.9976** is a dark color, and the websafe version is hex **CC6600**.

The color can be described as dark washed orange. A complement of this color would be **12.4943, 9.5876, 51.6436**, and the grayscale version is **19.3497, 20.3574, 22.1692**.

A 20% lighter version of the original color is **55.6785, 48.5636, 11.5934**, and **11.5063, 8.6533, 1.0638** is the 20% darker color. If you saturate the color by 10%, you get **27.8975, 23.1482, 2.9977**, and if you desaturate by 10%, it is **28.9503, 25.0615, 3.9414**.

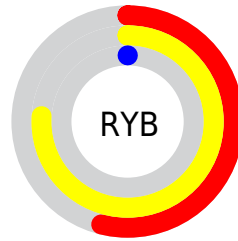
Distribution



Red (76%)

Green (44%)

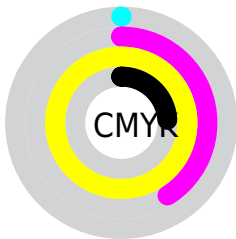
Blue (0%)



Red (54%)

Yellow (76%)

Blue (0%)

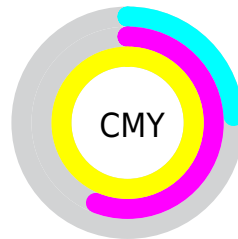


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8974, 23.1477, 2.9976 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 27.8974, 23.1477, 2.9976 by changing the saturation by 10% instead.

■ 27.8974, 23.1477,
2.9976

■ 27.8974, 23.1477,
2.9976

284.0653,
268.4827, 136.3300

■ 18.3884, 14.7026,
1.0934

■ 55.7304, 48.6357,
11.6225

■ 11.3306, 8.6109,
0.0000

■ 74.7851, 66.4475,
19.1803

■ 6.3586, 4.4883,
0.0000

■ 97.7524, 88.1502,
29.4597

■ 3.1070, 1.9503,
0.0000

■ 124.9976,
114.1283, 42.8793

■ 1.2106, 0.5783,
0.0000

■ 156.8862,
144.7663, 59.8576


■ 0.1147, 0.0000,
0.0000


■ 193.7834,


■ 0.0000, 0.0000,


180.4484, 80.8131


0.0000


 236.0547,
221.5590, 106.1644


 27.8974, 23.1477,
2.9976


 27.8974, 23.1477,
2.9976


 27.8975, 23.1482,
2.9977

 28.9503, 25.0615,
3.9414

 30.2027, 27.1831,
5.5405

 31.6998, 29.5345,
8.0206

 33.4650, 32.1282,
11.4971

 35.5187, 34.9750,
16.0679

■ 37.8787, 38.0848,
21.8188

■ 40.5613, 41.4667,
28.8271

■ 43.5814, 45.1294,
37.1635

■ 46.9529, 49.0808,
46.8933

Harmonies

Analogous

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



35.5066, 23.1477, 7.3393



27.8974, 23.1477, 2.9976



20.0602, 23.1477, 2.4042

Triad

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



27.8974, 23.1477, 2.9976



10.5522, 23.1477, 31.3800



32.1579, 23.1477, 74.0778

Complementary

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



27.8974, 23.1477, 2.9976



12.4943, 9.5876, 51.6436

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.



24.0635, 23.1477, 92.6058



27.8974, 23.1477, 2.9976



12.4453, 23.1477, 60.2613

Square

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



27.8974, 23.1477, 2.9976



11.1262, 23.1477, 12.6208



17.0005, 23.1477, 86.4698



38.3315, 23.1477, 44.1984

Rectangle

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



27.8974, 23.1477, 2.9976



15.8903, 23.1477, 3.4544



17.0005, 23.1477, 86.4698



29.5068, 23.1477, 82.4386

Sweetspot

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



27.8979, 23.1489, 2.9980



72.4056, 73.9701, 50.9829



23.4557, 11.9229, 8.7362



15.0825, 15.3061, 9.7427



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



27.8979, 23.1489, 2.9980



49.7166, 40.9618, 5.2861



37.1822, 47.4768, 7.2044



10.5522, 11.0357, 10.6358



18.6357, 15.5572, 2.0206



0.8719, 0.8055, 0.1095

Inverse Universe

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



12.4943, 9.5876, 51.6436



22.1479, 16.7123, 92.4188



9.8408, 3.9613, 50.6975



9.8636, 10.4185, 12.7759



8.3849, 6.5263, 34.3744



0.4302, 0.4178, 1.5079

Previews

White Background



This preview shows how the XYZ color 27.8974, 23.1477, 2.9976 looks on a white 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

Black Background



This preview shows how the XYZ color 27.8974, 23.1477, 2.9976 looks on a black 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

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

XYZ 27.8974, 23.1477, 2.9976

Background



This preview shows how black text looks on a background with the XYZ color 27.8974, 23.1477, 2.9976.



This preview shows how white text looks on a background with the XYZ color 27.8974, 23.1477,

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

27.8974, 23.1477, 2.9976

Protanopia

21.0514, 23.2936, 3.8385

Tritanopia

31.0582, 23.1657, 18.4573

Trichromacy



Original Color

27.8974, 23.1477, 2.9976

Protanomaly

23.2415, 23.0506, 3.5114

Tritanomaly

29.2972, 22.9288, 9.0125

Monochromacy



Original Color

27.8974, 23.1477, 2.9976

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.5222, 20.3870, 10.2506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8974, 23.1477, 2.9976 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(193, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 113, 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(193, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 113, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.8974, 23.1477, 2.9976 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(193, 113, 0) }
```

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

```
.border{ border-color:rgb(193, 113, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 113,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 27.8974, 23.1477, 2.9976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 113, 0) }
```

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

```
.background{ background-color: rgb(193,  
113, 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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