

Converting Colors

XYZ(23.5627, 23.8584, 3.3632)

Have a look what the booklet for
XYZ(23.5627, 23.8584, 3.3632)
contains.

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Color

**XYZ(23.5761, 23.8075,
3.3527)**

Conversions

Conversions Part 1

Format	Color
Hex	A68100
RGB	166, 129, 0
RGB Percent	65%, 51%, 0%
CMY	0.3490, 0.4941, 1.0000
CMYK	0.00, 0.22, 1.00, 0.35
HSL	47°, 100%, 33%
HSV	47°, 100%, 65%
XYZ	23.5761, 23.8075, 3.3527
YIQ	125.3570, 63.4610, -32.2750

Conversions

Conversions Part 2

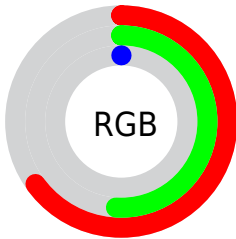
Format	Color
RYB	48, 166, 0
Decimal	10912000
CIELab	55.89, 4.27, 61.27
CIELCh	56, 61.418, 86.016
Yxy	23.8075, 0.4647, 0.4692
Android (android.graphics.Color)	4289102080 (0xFFA68100)
YUV	125.3570, -61.8010, 35.6439
Hunter-Lab	48.7929, 0.8612, 30.0811

Details

The XYZ color **23.5761, 23.8075, 3.3527** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **7.5446, 4.0765, 36.4652**, and the grayscale version is **19.8015, 20.8328, 22.6869**.

A 20% lighter version of the original color is **48.8227, 49.8808, 12.5236**, and **9.1753, 8.9885, 1.2514** is the 20% darker color. If you saturate the color by 10%, you get **23.5763, 23.8081, 3.3528**, and if you desaturate by 10%, it is **24.1710, 24.8404, 4.0351**.

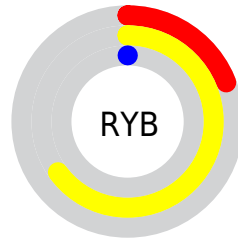
Distribution



Red (65%)

Green (51%)

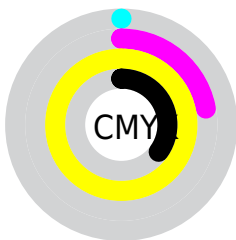
Blue (0%)



Red (19%)

Yellow (65%)

Blue (0%)

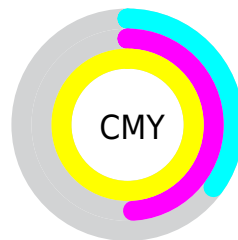


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5761, 23.8075, 3.3527 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 23.5761, 23.8075, 3.3527 by changing the saturation by 10% instead.

■ 23.5761, 23.8075,
3.3527

■ 23.5761, 23.8075,
3.3527

263.1507,
271.8458, 140.7333

■ 15.1425, 15.1909,
1.2774

■ 48.7973, 49.7159,
12.4870

■ 9.0064, 8.9535,
0.0432

■ 66.3156, 67.7764,
20.3831

■ 4.8025, 4.7108,
0.0000

■ 87.5929, 89.7538,
31.0566

■ 2.1654, 2.0786,
0.0000

■ 112.9944,
116.0323, 44.9260

■ 0.7244, 0.6526,
0.0000

■ 142.8856,
146.9963, 62.4098

■ 0.0000, 0.0000,
0.0000

■ 177.6318,

183.0303, 83.9266

■ 217.5984,
224.5187, 109.8949

■ 23.5761, 23.8075,
3.3527

■ 23.5761, 23.8075,
3.3527

■ 23.5763, 23.8081,
3.3528

■ 24.1710, 24.8404,
4.0351

■ 24.8643, 25.9402,
5.1507

■ 25.6905, 27.1220,
6.8770

■ 26.6646, 28.3921,
9.2924

■ 27.7995, 29.7557,
12.4635

■ 29.1063, 31.2179,
16.4490

■ 30.5953, 32.7828,
21.3017

■ 32.2759, 34.4546,
27.0701

■ 34.1566, 36.2369,
33.7990

Harmonies

Analogous

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



31.0127, 23.8075, 5.3010



23.5761, 23.8075, 3.3527



17.2252, 23.8075, 4.4249

Triad

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



23.5761, 23.8075, 3.3527



12.5630, 23.8075, 46.7622



35.7183, 23.8075, 53.9763

Complementary

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



23.5761, 23.8075, 3.3527



7.5446, 4.0765, 36.4652

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.



29.0575, 23.8075, 78.2576



23.5761, 23.8075, 3.3527



15.9102, 23.8075, 72.7972

Square

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



23.5761, 23.8075, 3.3527



11.6853, 23.8075, 23.3361



21.7063, 23.8075, 86.4914



38.8786, 23.8075, 28.6929

Rectangle

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



23.5761, 23.8075, 3.3527



14.2625, 23.8075, 7.3148



21.7063, 23.8075, 86.4914



33.7552, 23.8075, 62.9450

Sweetspot

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



23.5766, 23.8087, 3.3532



55.3671, 59.3336, 38.1222



16.0877, 8.2519, 2.6418



12.1374, 13.0157, 7.6961



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.5766, 23.8087, 3.3532



42.6255, 42.8825, 6.0305



21.6247, 31.3904, 4.9195



8.0029, 8.4859, 8.0054



18.3183, 18.5338, 2.6119



0.4798, 0.5192, 0.0749

Inverse Universe

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



7.5446, 4.0765, 36.4652



13.5614, 7.1359, 66.1379



7.9334, 3.2949, 36.2938



7.2624, 7.5617, 9.4951



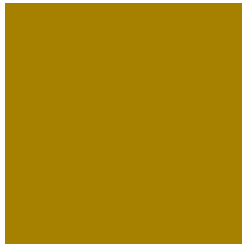
5.8802, 3.2206, 28.2872



0.1792, 0.1506, 0.7003

Previews

White Background



This preview shows how the XYZ color 23.5761, 23.8075, 3.3527 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 23.5761, 23.8075, 3.3527 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 23.5761, 23.8075, 3.3527

Background



This preview shows how black text looks on a background with the XYZ color 23.5761, 23.8075, 3.3527.



This preview shows how white text looks on a background with the XYZ color 23.5761, 23.8075,

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

23.5761, 23.8075, 3.3527

Protanopia

21.6567, 24.0209, 3.7248

Deuteranopia

24.2108, 23.7423, 3.5364



Tritanopia

27.6922, 23.7886, 23.9010

Trichromacy



Original Color

23.5761, 23.8075, 3.3527

Protanomaly

22.3195, 23.9541, 3.5908

Deuteranomaly

24.1088, 23.8843, 3.4830

Tritanomaly

25.1835, 23.3212, 11.1568

Monochromacy



Original Color

23.5761, 23.8075, 3.3527

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.7240, 21.0763, 10.6180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5761, 23.8075, 3.3527 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(166, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 129, 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(166, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 129, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.5761, 23.8075, 3.3527 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(166, 129, 0) }
```


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

```
.border{ border-color:rgb(166, 129, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 129,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5761, 23.8075, 3.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 129, 0) }
```

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

```
.background{ background-color: rgb(166,  
129, 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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