

Converting Colors

XYZ(23.4759, 28.6075, 16.0890)

Have a look what the booklet for
XYZ(23.4759, 28.6075, 16.0890)
contains.

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Color

**XYZ(23.4720, 28.5082,
16.0699)**

Conversions

Conversions Part 1

Format	Color
Hex	879863
RGB	135, 152, 99
RGB Percent	53%, 60%, 39%
CMY	0.4706, 0.4039, 0.6118
CMYK	0.11, 0.00, 0.35, 0.40
HSL	79°, 21%, 49%
HSV	79°, 35%, 60%
XYZ	23.4720, 28.5082, 16.0699
YIQ	140.8750, 6.8810, -20.0870

Conversions

Conversions Part 2

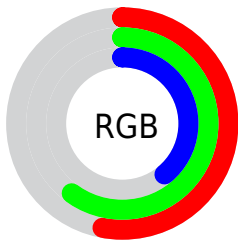
Format	Color
RYB	99, 152, 116
Decimal	8886371
CIELab	60.35, -15.38, 25.94
CIELCh	60, 30.153, 120.666
Yxy	28.5082, 0.3449, 0.4189
Android (android.graphics.Color)	4287076451 (0xFF879863)
YUV	140.8750, -20.6444, -5.1524
Hunter-Lab	53.3931, -14.9679, 19.5304

Details

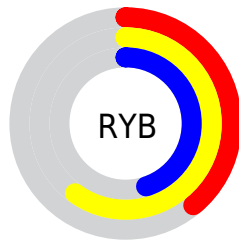
The XYZ color **23.4720, 28.5082, 16.0699** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.3330, 14.9045, 31.6707**, and the grayscale version is **25.3455, 26.6654, 29.0386**.

A 20% lighter version of the original color is **48.5626, 57.1634, 37.3283**, and **8.9074, 11.4312, 4.8689** is the 20% darker color. If you saturate the color by 10%, you get **22.0462, 27.8503, 12.5604**, and if you desaturate by 10%, it is **25.0720, 29.2419, 20.3027**.

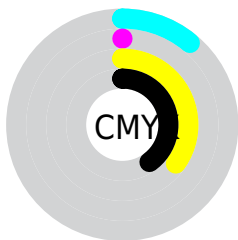
Distribution



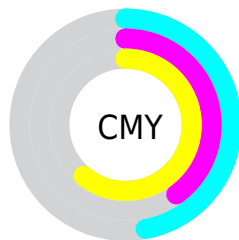
- Red (53%)
- Green (60%)
- Blue (39%)



- Red (39%)
- Yellow (60%)
- Blue (45%)



- Cyan (11%)
- Magenta (0%)
- Yellow (35%)
- Black (40%)



- Cyan (47%)
- Magenta (40%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4720, 28.5082, 16.0699 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 23.4720, 28.5082, 16.0699 by changing the saturation by 10% instead.

■ 23.4720, 28.5082,
16.0699

■ 23.4720, 28.5082,
16.0699

262.6304,
294.8874, 241.6136

■ 15.0650, 18.7091,
9.4187

■ 48.6282, 57.2948,
37.4880

■ 8.9516, 11.4603,
4.9148

■ 66.1081, 77.0511,
53.0920

■ 4.7665, 6.3773,
2.1395

■ 87.3430, 100.8952,
72.5174

■ 2.1443, 3.0758,
0.6391

■ 112.6983,
129.2116, 96.1827

■ 0.7131, 1.1715,
0.0000

142.5393,
162.3846, 124.5064

■ 0.0000, 0.0382,
0.0000

177.2315,

■ 0.0000, 0.0000,

200.7986, 157.9071

0.0000

217.1400,
244.8381, 196.8033

■ 23.4720, 28.5082,
16.0699

■ 23.4720, 28.5082,
16.0699

■ 22.0462, 27.8503,
12.5604

■ 25.0720, 29.2419,
20.3027

■ 20.7842, 27.2610,
9.7319

■ 26.8517, 30.0507,
25.2945

■ 19.6779, 26.7380,
7.5405


■ 28.8187, 30.9387,
31.0806


■ 18.7173, 26.2773,
5.9362


■ 30.9797, 31.9086,
37.6936


■ 17.8910, 25.8743,
4.8619


■ 33.3411, 32.9630,
45.1645


 17.1847, 25.5231,
4.2447

 35.9087, 34.1044,
53.5223

 16.8498, 25.3554,
4.0060

 38.6884, 35.3350,
62.7950

 41.6855, 36.6571,
73.0092

 44.9054, 38.0729,
84.1904

Harmonies

Analogous

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



27.0097, 28.5082, 14.2231



23.4720, 28.5082, 16.0699



21.1077, 28.5082, 21.7191

Triad

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



23.4720, 28.5082, 16.0699



23.6086, 28.5082, 53.5982



35.2474, 28.5082, 30.7932

Complementary

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



23.4720, 28.5082, 16.0699



17.3330, 14.9045, 31.6707

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.



34.1221, 28.5082, 42.7076



23.4720, 28.5082, 16.0699



27.1829, 28.5082, 57.6299

Square

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



23.4720, 28.5082, 16.0699



21.1811, 28.5082, 43.2412



31.0755, 28.5082, 53.2421



34.0212, 28.5082, 21.3823

Rectangle

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



23.4720, 28.5082, 16.0699



20.3909, 28.5082, 27.7078



31.0755, 28.5082, 53.2421



35.1306, 28.5082, 34.6305

Sweetspot

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



23.4727, 28.5095, 16.0705



48.9743, 53.7546, 49.2406



21.4225, 20.0180, 14.5396



11.0302, 12.1721, 10.8958



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.4727, 28.5095, 16.0705



39.4041, 49.3844, 23.3400



19.7532, 26.5920, 15.8964



6.5161, 7.1235, 6.6374



14.1606, 21.2759, 3.3603



0.2491, 0.3374, 0.0520

Inverse Universe

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



17.3330, 14.9045, 31.6707



26.8803, 21.6147, 55.1890



21.3344, 16.9673, 31.8579



6.0618, 6.1177, 7.7903



5.8340, 2.4586, 25.0748



0.1222, 0.0548, 0.3765

Previews

White Background



This preview shows how the XYZ color 23.4720, 28.5082, 16.0699 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 23.4720, 28.5082, 16.0699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

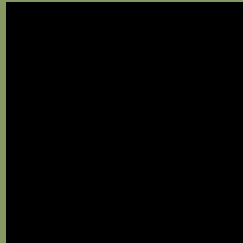
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4720, 28.5082, 16.0699

Background



This preview shows how black text looks on a background with the XYZ color 23.4720, 28.5082, 16.0699.



This preview shows how white text looks on a background with the XYZ color 23.4720, 28.5082,

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

23.4720, 28.5082, 16.0699

Protanopia

26.3373, 28.3644, 15.1531

Deuteranopia

28.8645, 28.3088, 16.5132



Tritanopia

27.4538, 28.4907, 35.5048

Trichromacy



Original Color

23.4720, 28.5082, 16.0699

Protanomaly

25.3253, 28.5269, 15.4807

Deuteranomaly

26.6203, 28.2570, 16.3630

Tritanomaly

25.7783, 28.5045, 27.0649

Monochromacy



Original Color

23.4720, 28.5082, 16.0699

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.5388, 27.2461, 23.7044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4720, 28.5082, 16.0699 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(135, 152, 99)` looks like.

```
.text, #text, p{  
    color:rgb(135, 152, 99)  
}
```

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(135, 152, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 152, 99) }
```

Border

The CSS property to change the border of an element to XYZ 23.4720, 28.5082, 16.0699 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(135, 152, 99) }
```


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

```
.border{ border-color:rgb(135, 152, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 152, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 152, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 152, 99);  
box-shadow:4px 4px 4px 4px rgb(135, 152,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4720, 28.5082, 16.0699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 152, 99) }
```

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

```
.background{ background-color: rgb(135,  
152, 99) }
```

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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