

Converting Colors

XYZ(23.9137, 28.1768, 45.3147)

Have a look what the booklet for
XYZ(23.9137, 28.1768, 45.3147)
contains.

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Color

**XYZ(23.8886, 28.0779,
45.2348)**

Conversions

Conversions Part 1

Format	Color
Hex	6098B0
RGB	96, 152, 176
RGB Percent	38%, 60%, 69%
CMY	0.6235, 0.4039, 0.3098
CMYK	0.45, 0.14, 0.00, 0.31
HSL	198°, 34%, 53%
HSV	198°, 45%, 69%
XYZ	23.8886, 28.0779, 45.2348
YIQ	137.9920, -41.0800, -4.4080

Conversions

Conversions Part 2

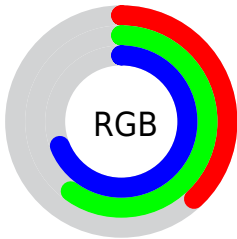
Format	Color
R _Y B	96, 129, 176
Decimal	6330544
CIE Lab	59.96, -11.87, -18.27
CIE LCh	60, 21.787, 236.988
Yxy	28.0779, 0.2458, 0.2889
Android (android.graphics.Color)	4284520624 (0xFF6098B0)
YUV	137.9920, 18.7379, -36.8270
Hunter-Lab	52.9886, -12.2577, -13.5221

Details

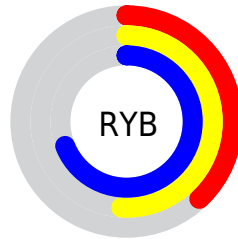
The XYZ color **23.8886, 28.0779, 45.2348** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **26.7329, 23.5082, 14.1958**, and the grayscale version is **24.0972, 25.3522, 27.6085**.

A 20% lighter version of the original color is **49.2145, 56.4528, 84.6465**, and **9.1433, 11.2088, 20.4205** is the 20% darker color. If you saturate the color by 10%, you get **21.4023, 25.5528, 44.8790**, and if you desaturate by 10%, it is **26.8294, 30.8952, 45.6241**.

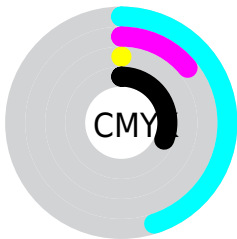
Distribution



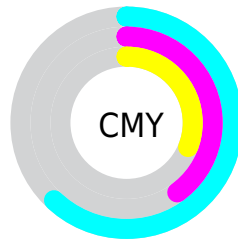
- Red (38%)
- Green (60%)
- Blue (69%)



- Red (38%)
- Yellow (51%)
- Blue (69%)



- Cyan (45%)
- Magenta (14%)
- Yellow (0%)
- Black (31%)



- Cyan (62%)
- Magenta (40%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8886, 28.0779, 45.2348 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 23.8886, 28.0779, 45.2348 by changing the saturation by 10% instead.

■ 23.8886, 28.0779,
45.2348

■ 23.8886, 28.0779,
45.2348

264.7077,
292.8390, 383.9115

■ 15.3753, 18.3844,
31.2981

■ 49.3043, 56.6088,
84.3948

■ 9.1712, 11.2263,
20.5656

■ 66.9375, 76.2150,
110.4552

■ 4.9110, 6.2193,
12.6187

■ 88.3413, 99.8941,
141.3940

■ 2.2294, 2.9789,
7.0389

■ 113.8811,
128.0307, 177.6296

■ 0.7582, 1.1207,
3.4076

143.9223,
161.0091, 219.5806

■ 0.0000, 0.0000,
1.3063

178.8303,

■ 0.0000, 0.0000,

199.2137, 267.6656

0.0670

218.9703,
243.0288, 322.3030

■ 0.0000, 0.0000,
0.0000

■ 23.8886, 28.0779,
45.2348

■ 23.8886, 28.0779,
45.2348

■ 21.4023, 25.5528,
44.8790

■ 26.8294, 30.8952,
45.6241

■ 19.3393, 23.3012,
44.5531

■ 30.2478, 34.0154,
46.0462

■ 17.6685, 21.3070,
44.2562

■ 34.1687, 37.4528,
46.5030

■ 16.3532, 19.5504,
43.9865

■ 38.6142, 41.2193,
46.9957

■ 15.3470, 18.0068,
43.7416

■ 43.6052, 45.3264,
47.5254

■ 14.9447, 17.3509,
43.6362

■ 49.1611, 49.7849,
48.0932

■ 55.3008, 54.6050,
48.6999

■ 62.0418, 59.7965,
49.3467

■ 69.4013, 65.3689,
50.0344

Harmonies

Analogous

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



22.2157, 28.0779, 38.0322



23.8886, 28.0779, 45.2348



26.4083, 28.0779, 48.4806

Triad

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



23.8886, 28.0779, 45.2348



32.3689, 28.0779, 31.3807



24.3417, 28.0779, 18.8916

Complementary

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



23.8886, 28.0779, 45.2348



26.7329, 23.5082, 14.1958

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.



26.9681, 28.0779, 17.7262



23.8886, 28.0779, 45.2348



31.7218, 28.0779, 24.1574

Square

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



23.8886, 28.0779, 45.2348



31.4087, 28.0779, 39.6610



29.6963, 28.0779, 19.4792



22.4643, 28.0779, 22.9900

Rectangle

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



23.8886, 28.0779, 45.2348



28.2743, 28.0779, 47.6091



29.6963, 28.0779, 19.4792



25.1606, 28.0779, 18.1783

Sweetspot

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



23.8895, 28.0790, 45.2355



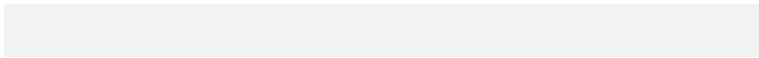
62.8926, 68.7191, 84.4446



23.6597, 34.8620, 22.8309



13.2825, 14.5935, 18.2611



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.8895, 28.0790, 45.2355



38.6073, 46.1237, 81.3632



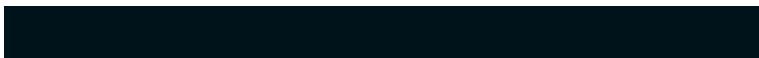
18.6035, 17.5071, 43.4735



8.5232, 9.1925, 10.8314



11.0181, 12.8366, 32.0340



0.3948, 0.5001, 1.0240

Inverse Universe

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



27.7556, 19.8637, 32.0781



46.8244, 30.2852, 53.0346



32.3573, 34.7571, 16.0706



8.7393, 8.6024, 10.1254



15.7961, 7.8360, 14.6180



0.5213, 0.2563, 0.5879

Previews

White Background



This preview shows how the XYZ color 23.8886, 28.0779, 45.2348 looks on a white background.

Color Contrast Check

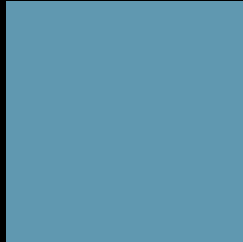
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8886, 28.0779, 45.2348 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 23.8886, 28.0779, 45.2348

Background



This preview shows how black text looks on a background with the XYZ color 23.8886, 28.0779, 45.2348.



This preview shows how white text looks on a background with the XYZ color 23.8886, 28.0779,

45.2348.

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

23.8886, 28.0779, 45.2348

Protanopia

27.5594, 27.9505, 41.9727

Deuteranopia

28.3760, 27.8396, 45.9975



Tritanopia

22.9527, 28.1915, 40.3082

Trichromacy



Original Color

23.8886, 28.0779, 45.2348

Protanomaly

25.8937, 27.7473, 43.0207

Deuteranomaly

26.3734, 27.7102, 45.5536

Tritanomaly

23.2630, 28.0644, 42.2211

Monochromacy



Original Color

23.8886, 28.0779, 45.2348

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

23.6583, 26.1229, 33.5011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8886, 28.0779, 45.2348 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(96, 152, 176)` looks like.

```
.text, #text, p{  
    color:rgb(96, 152, 176)  
}
```

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(96, 152, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 152, 176) }
```

Border

The CSS property to change the border of an element to XYZ 23.8886, 28.0779, 45.2348 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(96, 152, 176) }
```


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

```
.border{ border-color:rgb(96, 152, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 152, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 152, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 152, 176);  
box-shadow:4px 4px 4px 4px rgb(96, 152,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8886, 28.0779, 45.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 152, 176) }
```

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

```
.background{ background-color: rgb(96, 152,  
176) }
```

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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