

Converting Colors

XYZ(23.7878, 28.8080, 42.2105)

Have a look what the booklet for
XYZ(23.7878, 28.8080, 42.2105)
contains.

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Color

**XYZ(23.8009, 28.8318,
42.3409)**

Conversions

Conversions Part 1

Format	Color
Hex	609BAA
RGB	96, 155, 170
RGB Percent	38%, 61%, 67%
CMY	0.6235, 0.3921, 0.3333
CMYK	0.44, 0.09, 0.00, 0.33
HSL	192°, 30%, 52%
HSV	192°, 44%, 67%
XYZ	23.8009, 28.8318, 42.3409
YIQ	139.0690, -39.9790, -7.8430

Conversions

Conversions Part 2

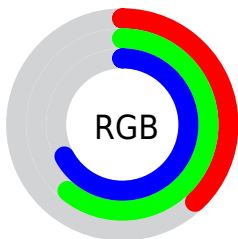
Format	Color
R _Y B	96, 129, 170
Decimal	6331306
CIE Lab	60.63, -15.16, -13.86
CIE LCh	61, 20.539, 222.424
Yxy	28.8318, 0.2506, 0.3036
Android (android.graphics.Color)	4284521386 (0xFF609BAA)
YUV	139.0690, 15.2490, -37.7715
Hunter-Lab	53.6953, -14.8450, -9.1659

Details

The XYZ color **23.8009, 28.8318, 42.3409** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.3738, 20.7599, 13.7894**, and the grayscale version is **24.5221, 25.7991, 28.0952**.

A 20% lighter version of the original color is **49.2149, 58.0135, 79.8380**, and **9.1752, 11.7009, 18.9145** is the 20% darker color. If you saturate the color by 10%, you get **21.6370, 26.8777, 42.0783**, and if you desaturate by 10%, it is **26.3697, 31.0202, 42.6284**.

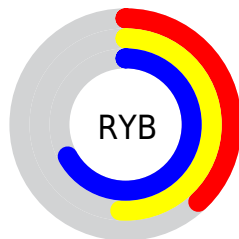
Distribution



Red (38%)

Green (61%)

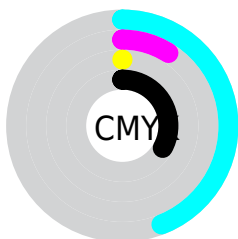
Blue (67%)



Red (38%)

Yellow (51%)

Blue (67%)

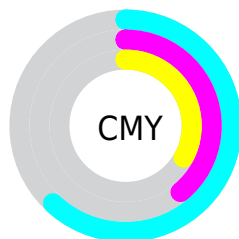


Cyan (44%)

Magenta (9%)

Yellow (0%)

Black (33%)



Cyan (62%)

Magenta (39%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8009, 28.8318, 42.3409 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 23.8009, 28.8318, 42.3409 by changing the saturation by 10% instead.

■ 23.8009, 28.8318,
42.3409

■ 23.8009, 28.8318,
42.3409

264.2715,
296.4205, 371.7354

■ 15.3099, 18.9536,
29.0408

■ 49.1621, 57.8097,
79.9910

■ 9.1249, 11.6368,
18.8658

■ 66.7631, 77.6783,
105.1779

■ 4.8805, 6.4969,
11.3975

■ 88.1315, 101.6457,
135.1643

■ 2.2114, 3.1495,
6.2174

■ 113.6326,
130.0965, 170.3686

■ 0.7487, 1.2103,
2.9068

143.6318,
163.4150, 211.2093

■ 0.0000, 0.0701,
1.0472

178.4945,

■ 0.0000, 0.0000,

201.9855, 258.1049

0.0000

218.5859,
246.1926, 311.4741

■ 23.8009, 28.8318,
42.3409

■ 23.8009, 28.8318,
42.3409

■ 21.6370, 26.8777,
42.0783

■ 26.3697, 31.0202,
42.6284

■ 19.8500, 25.1414,
41.8373

■ 29.3639, 33.4518,
42.9400

■ 18.4125, 23.6091,
41.6173

■ 32.8055, 36.1387,
43.2772

■ 17.2922, 22.2640,
41.4167

■ 36.7144, 39.0913,
43.6411

■ 16.4500, 21.0858,
41.2337

■ 41.1092, 42.3196,
44.0326

■ 15.9960, 20.3827,
41.1219

■ 46.0074, 45.8326,
44.4525

■ 51.4258, 49.6392,
44.9016

■ 57.3802, 53.7478,
45.3808

■ 63.8859, 58.1663,
45.8908

Harmonies

Analogous

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



22.7087, 28.8318, 34.6490



23.8009, 28.8318, 42.3409



25.8889, 28.8318, 47.5196

Triad

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



23.8009, 28.8318, 42.3409



32.5715, 28.8318, 36.0246



26.3187, 28.8318, 19.1565

Complementary

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



23.8009, 28.8318, 42.3409



24.3738, 20.7599, 13.7894

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.



28.9766, 28.8318, 19.4026



23.8009, 28.8318, 42.3409



32.7051, 28.8318, 28.3475

Square

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



23.8009, 28.8318, 42.3409



30.9989, 28.8318, 43.4872



31.3530, 28.8318, 22.5163



24.0979, 28.8318, 21.7788

Rectangle

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



23.8009, 28.8318, 42.3409



27.6205, 28.8318, 48.4089



31.3530, 28.8318, 22.5163



27.1882, 28.8318, 18.9203

Sweetspot

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



23.8018, 28.8329, 42.3416



59.7165, 65.7186, 78.5395



22.0575, 32.3802, 20.0694



12.9993, 14.4111, 17.4842



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.8018, 28.8329, 42.3416



39.4680, 48.9625, 76.3724



18.5822, 18.3938, 40.6017



7.6165, 8.2699, 9.6132



11.8068, 15.0737, 30.2627



0.3191, 0.4304, 0.7469

Inverse Universe

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



26.6776, 19.2791, 33.3268



45.5299, 30.0137, 57.1031



29.2481, 30.5084, 15.4142



7.7758, 7.6402, 9.1365



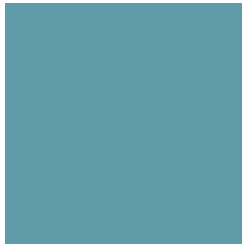
15.4601, 7.5928, 17.7663



0.3922, 0.1912, 0.5169

Previews

White Background



This preview shows how the XYZ color 23.8009, 28.8318, 42.3409 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 23.8009, 28.8318, 42.3409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

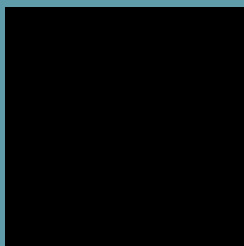
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

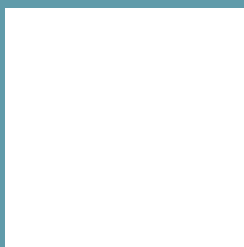
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8009, 28.8318, 42.3409

Background



This preview shows how black text looks on a background with the XYZ color 23.8009, 28.8318, 42.3409.



This preview shows how white text looks on a background with the XYZ color 23.8009, 28.8318,

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

23.8009, 28.8318, 42.3409

Protanopia

28.0640, 28.7348, 38.7176

Deuteranopia

29.0699, 28.4741, 43.4991



Tritanopia

23.5085, 28.7027, 41.3469

Trichromacy



Original Color

23.8009, 28.8318, 42.3409

Protanomaly

26.2346, 28.6837, 40.2302

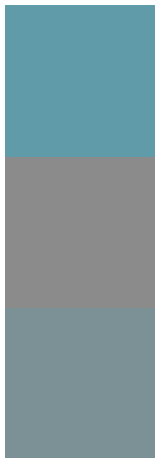
Deuteranomaly

26.7822, 28.4352, 43.1067

Tritanomaly

23.6021, 28.7402, 41.8396

Monochromacy



Original Color

23.8009, 28.8318, 42.3409

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

23.7988, 26.6638, 32.7465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8009, 28.8318, 42.3409 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, 155, 170) looks like.

```
.text, #text, p{  
    color:rgb(96, 155, 170)  
}
```

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, 155, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 155, 170) }
```

Border

The CSS property to change the border of an element to XYZ 23.8009, 28.8318, 42.3409 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, 155, 170) }
```


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

```
.border{ border-color:rgb(96, 155, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 155, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 155, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 155, 170);  
box-shadow:4px 4px 4px 4px rgb(96, 155,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8009, 28.8318, 42.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 155, 170) }
```

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

```
.background{ background-color: rgb(96, 155,  
170) }
```

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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