

Converting Colors

XYZ(24.3400, 30.3116, 45.3149)

Have a look what the booklet for
XYZ(24.3400, 30.3116, 45.3149)
contains.

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Color

**XYZ(24.3332, 30.3115,
45.1256)**

Conversions

Conversions Part 1

Format	Color
Hex	58A0AF
RGB	88, 160, 175
RGB Percent	35%, 63%, 69%
CMY	0.6549, 0.3725, 0.3137
CMYK	0.50, 0.09, 0.00, 0.31
HSL	190°, 35%, 52%
HSV	190°, 50%, 69%
XYZ	24.3332, 30.3115, 45.1256
YIQ	140.1820, -47.7270, -10.5990

Conversions

Conversions Part 2

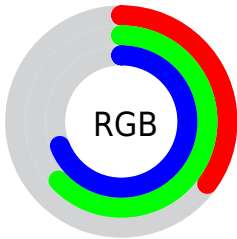
Format	Color
RYB	88, 127, 175
Decimal	5808303
CIELab	61.92, -18.39, -14.77
CIElCh	62, 23.581, 218.768
Yxy	30.3115, 0.2439, 0.3038
Android (android.graphics.Color)	4283998383 (0xFF58A0AF)
YUV	140.1820, 17.1653, -45.7636
Hunter-Lab	55.0559, -17.4557, -10.0569

Details

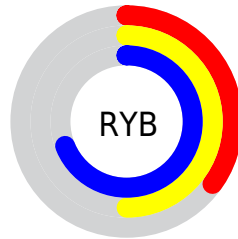
The XYZ color **24.3332, 30.3115, 45.1256** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.2915, 19.5197, 11.7208**, and the grayscale version is **24.9475, 26.2467, 28.5827**.

A 20% lighter version of the original color is **50.0519, 60.2100, 84.5850**, and **9.3897, 12.3882, 20.6352** is the 20% darker color. If you saturate the color by 10%, you get **22.3548, 28.5252, 44.8856**, and if you desaturate by 10%, it is **26.7238, 32.3305, 45.3898**.

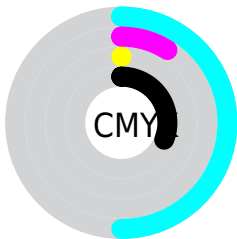
Distribution



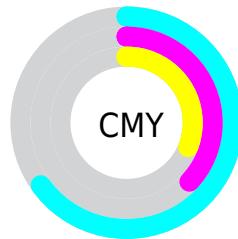
- Red (35%)
- Green (63%)
- Blue (69%)



- Red (35%)
- Yellow (50%)
- Blue (69%)



- Cyan (50%)
- Magenta (9%)
- Yellow (0%)
- Black (31%)



- Cyan (65%)
- Magenta (37%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3332, 30.3115, 45.1256 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 24.3332, 30.3115, 45.1256 by changing the saturation by 10% instead.

■ 24.3332, 30.3115,
45.1256

■ 24.3332, 30.3115,
45.1256

266.9100,
303.3537, 383.4570

■ 15.7070, 20.0751,
31.2127

■ 50.0241, 60.1544,
84.2293

■ 9.4066, 12.4497,
20.5010

■ 67.8196, 80.5298,
110.2572

■ 5.0666, 7.0507,
12.5721

■ 89.4022, 105.0537,
141.1605

■ 2.3215, 3.4938,
7.0073

■ 115.1373,
134.1104, 177.3577

■ 0.8056, 1.3947,
3.3882

145.3903,
168.0844, 219.2674

■ 0.0000, 0.2128,
1.2961

180.5265,

■ 0.0000, 0.0000,

207.3600, 267.3082

0.0586

220.9113,
252.3216, 321.8985

■ 0.0000, 0.0000,
0.0000

■ 24.3332, 30.3115,
45.1256

■ 24.3332, 30.3115,
45.1256

■ 22.3548, 28.5252,
44.8856

■ 26.7238, 32.3305,
45.3898

■ 20.7568, 26.9531,
44.6664

■ 29.5499, 34.5923,
45.6775

■ 19.5072, 25.5791,
44.4671

■ 32.8364, 37.1105,
45.9903

■ 18.5671, 24.3831,
44.2858

■ 36.6054, 39.8968,
46.3295

■ 17.8571, 23.3241,
44.1188

■ 40.8777, 42.9618,
46.6959

■ 17.8375, 23.2943,
44.1141

■ 45.6728, 46.3158,
47.0906

■ 51.0089, 49.9684,
47.5143

■ 56.9038, 53.9287,
47.9681

■ 63.3740, 58.2055,
48.4525

Harmonies

Analogous

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



23.2195, 30.3115, 35.7245



24.3332, 30.3115, 45.1256



26.6680, 30.3115, 51.9976

Triad

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



24.3332, 30.3115, 45.1256



34.8446, 30.3115, 39.7063



27.8951, 30.3115, 18.6357

Complementary

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



24.3332, 30.3115, 45.1256



24.2915, 19.5197, 11.7208

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.



31.0641, 30.3115, 19.3109



24.3332, 30.3115, 45.1256



35.2331, 30.3115, 30.4254

Square

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



24.3332, 30.3115, 45.1256



32.7793, 30.3115, 48.4929



33.8051, 30.3115, 23.2744



25.1752, 30.3115, 21.2239

Rectangle

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



24.3332, 30.3115, 45.1256



28.6799, 30.3115, 53.6058



33.8051, 30.3115, 23.2744



28.9409, 30.3115, 18.5001

Sweetspot

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



24.3341, 30.3127, 45.1263



61.7048, 68.6243, 82.6305



21.7784, 33.7046, 18.0595



13.4111, 15.0270, 18.3380



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.



24.3341, 30.3127, 45.1263



39.6191, 50.6925, 80.3334



18.1245, 17.8934, 43.0564



8.1171, 8.8336, 10.2299



12.8134, 16.7606, 31.6043



0.3869, 0.5272, 0.8894

Inverse Universe

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



27.5149, 18.6324, 35.4052



46.2212, 28.1018, 59.7848



29.7202, 30.3771, 13.5304



8.2769, 8.1240, 9.7690



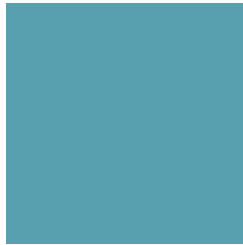
16.3312, 7.9950, 19.9216



0.4697, 0.2286, 0.6352

Previews

White Background



This preview shows how the XYZ color 24.3332, 30.3115, 45.1256 looks on a white background.

Color Contrast Check

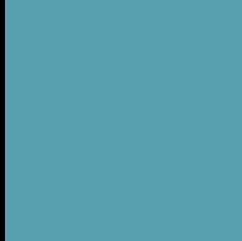
Large Text (above 18pt) WCAG AA × Fail

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 24.3332, 30.3115, 45.1256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

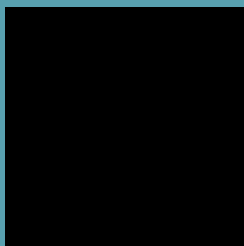
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.3332, 30.3115, 45.1256

Background



This preview shows how black text looks on a background with the XYZ color 24.3332, 30.3115, 45.1256.



This preview shows how white text looks on a background with the XYZ color 24.3332, 30.3115,

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

24.3332, 30.3115, 45.1256

Protanopia

29.4190, 30.0808, 40.8148

Deuteranopia

30.5557, 29.8547, 46.2716



Tritanopia

24.0441, 30.1850, 44.0942

Trichromacy



Original Color

24.3332, 30.3115, 45.1256

Protanomaly

26.9414, 29.7187, 42.3465

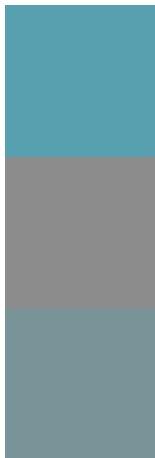
Deuteranomaly

27.5946, 29.4990, 45.8345

Tritanomaly

24.1413, 30.2238, 44.6058

Monochromacy



Original Color

24.3332, 30.3115, 45.1256

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.0686, 27.2323, 34.1248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3332, 30.3115, 45.1256 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(88, 160, 175)` looks like.

```
.text, #text, p{  
    color:rgb(88, 160, 175)  
}
```

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(88, 160, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 160, 175) }
```

Border

The CSS property to change the border of an element to XYZ 24.3332, 30.3115, 45.1256 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(88, 160, 175) }
```


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

```
.border{ border-color:rgb(88, 160, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 160, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 160, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 160, 175);  
box-shadow:4px 4px 4px 4px rgb(88, 160,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3332, 30.3115, 45.1256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 160, 175) }
```

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

```
.background{ background-color: rgb(88, 160,  
175) }
```

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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