

Converting Colors

XYZ(23.8743, 30.2607, 33.2367)

Have a look what the booklet for
XYZ(23.8743, 30.2607, 33.2367)
contains.

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Color

**XYZ(24.0197, 30.4078,
33.4575)**

Conversions

Conversions Part 1

Format	Color
Hex	6AA096
RGB	106, 160, 150
RGB Percent	42%, 63%, 59%
CMY	0.5843, 0.3725, 0.4118
CMYK	0.34, 0.00, 0.06, 0.37
HSL	169°, 22%, 52%
HSV	169°, 34%, 63%
XYZ	24.0197, 30.4078, 33.4575
YIQ	142.7140, -28.9740, -14.5580

Conversions

Conversions Part 2

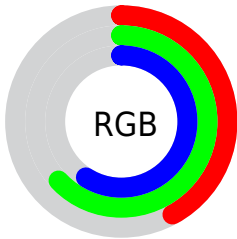
Format	Color
RYB	106, 136, 160
Decimal	6987926
CIELab	62.00, -20.11, -0.47
CIElCh	62, 20.116, 181.340
Yxy	30.4078, 0.2733, 0.3460
Android (android.graphics.Color)	4285178006 (0xFF6AA096)
YUV	142.7140, 3.5920, -32.1982
Hunter-Lab	55.1433, -18.7484, 2.6268

Details

The XYZ color **24.0197, 30.4078, 33.4575** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.8047, 19.0435, 18.9980**, and the grayscale version is **25.9896, 27.3430, 29.7766**.

A 20% lighter version of the original color is **49.4976, 60.3314, 66.1631**, and **9.1902, 12.4382, 13.7208** is the 20% darker color. If you saturate the color by 10%, you get **22.0574, 29.4242, 32.1362**, and if you desaturate by 10%, it is **26.3446, 31.5792, 34.8286**.

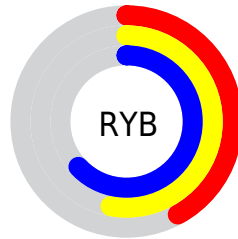
Distribution



Red (42%)

Green (63%)

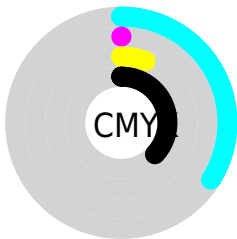
Blue (59%)



Red (42%)

Yellow (53%)

Blue (63%)

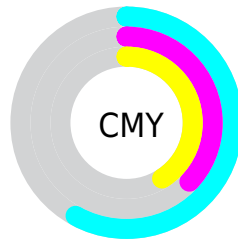


Cyan (34%)

Magenta (0%)

Yellow (6%)

Black (37%)



Cyan (58%)

Magenta (37%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0197, 30.4078, 33.4575 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 24.0197, 30.4078, 33.4575 by changing the saturation by 10% instead.

■ 24.0197, 30.4078,
33.4575

■ 24.0197, 30.4078,
33.4575

265.3587,
303.8007, 332.4013

■ 15.4731, 20.1483,
22.2032

■ 49.5168, 60.3065,
66.2134

■ 9.2405, 12.5029,
13.8065

■ 67.1979, 80.7145,
88.5520

■ 4.9568, 7.0872,
7.8490

■ 88.6546, 105.2741,
115.4224

■ 2.2564, 3.5167,
3.9121

■ 114.2522,
134.3698, 147.2433

■ 0.7722, 1.4070,
1.5772

144.3561,
168.3859, 184.4330

■ 0.0000, 0.2219,
0.2745

179.3315,

■ 0.0000, 0.0000,

207.7068, 227.4103

0.0000

219.5439,
252.7170, 276.5935

■ 24.0197, 30.4078,
33.4575

■ 24.0197, 30.4078,
33.4575

■ 22.0574, 29.4242,
32.1362

■ 26.3446, 31.5792,
34.8286

■ 20.4352, 28.6145,
30.8614

■ 29.0477, 32.9441,
36.2485

■ 19.1323, 27.9686,
29.6326

■ 32.1470, 34.5124,
37.7189

■ 18.1243, 27.4742,
28.4485

■ 35.6584, 36.2926,
39.2408

■ 17.3835, 27.1167,
27.3074

■ 39.5970, 38.2923,
40.8151

■ 16.8765, 26.8792,
26.2076

■ 43.9771, 40.5188,
42.4426

■ 16.6254, 26.7643,
25.5386

■ 48.8125, 42.9794,
44.1243

■ 54.1162, 45.6805,
45.8610

■ 59.9007, 48.6289,
47.6534

Harmonies

Analogous

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



24.5846, 30.4078, 26.4825



24.0197, 30.4078, 33.4575



24.6937, 30.4078, 41.4526

Triad

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



24.0197, 30.4078, 33.4575



31.6846, 30.4078, 47.4877



31.4617, 30.4078, 21.7088

Complementary

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



24.0197, 30.4078, 33.4575



22.8047, 19.0435, 18.9980

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.



33.5625, 30.4078, 25.9675



24.0197, 30.4078, 33.4575



33.6967, 30.4078, 40.7576

Square

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



24.0197, 30.4078, 33.4575



29.0232, 30.4078, 50.2928



34.4041, 30.4078, 32.7628



28.7806, 30.4078, 20.3668

Rectangle

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



24.0197, 30.4078, 33.4575



25.7807, 30.4078, 46.1174



34.4041, 30.4078, 32.7628



32.2649, 30.4078, 22.8103

Sweetspot

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



24.0206, 30.4090, 33.4582



54.6578, 60.7843, 66.7532



22.4826, 29.9516, 18.2325



11.8294, 13.2510, 14.5635



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



24.0206, 30.4090, 33.4582



41.0435, 53.9222, 59.0535



22.2330, 25.4893, 37.0072



6.7691, 7.4884, 8.2188



12.9653, 20.8541, 19.9722



0.2443, 0.3779, 0.4230

Inverse Universe

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



22.8047, 19.0435, 18.9980



38.5189, 30.2755, 28.9940



24.0839, 22.4834, 16.7066



6.6808, 6.6652, 7.1700



11.4846, 5.8984, 1.5370



0.2174, 0.1103, 0.0912

Previews

White Background



This preview shows how the XYZ color 24.0197, 30.4078, 33.4575 looks on a white background.

Color Contrast Check

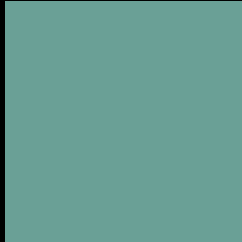
Large Text (above 18pt) WCAG AA × Fail

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 24.0197, 30.4078, 33.4575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

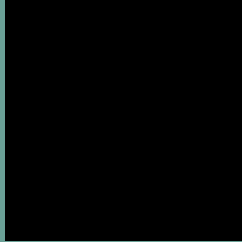
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.0197, 30.4078, 33.4575

Background



This preview shows how black text looks on a background with the XYZ color 24.0197, 30.4078, 33.4575.

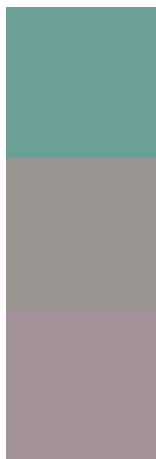


This preview shows how white text looks on a background with the XYZ color 24.0197, 30.4078,

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

24.0197, 30.4078, 33.4575

Protanopia

28.9184, 30.2808, 30.7062

Deuteranopia

30.7755, 30.2321, 34.3503



Tritanopia

25.8682, 30.3957, 42.5338

Trichromacy



Original Color

24.0197, 30.4078, 33.4575

Protanomaly

26.7329, 30.0920, 31.5935

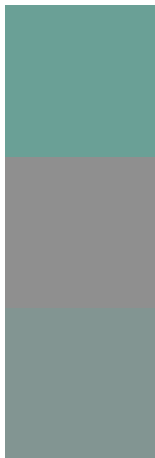
Deuteranomaly

27.7292, 29.8305, 34.0021

Tritanomaly

25.1444, 30.3493, 39.1831

Monochromacy



Original Color

24.0197, 30.4078, 33.4575

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.1417, 28.3160, 31.3346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0197, 30.4078, 33.4575 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(106, 160, 150)` looks like.

```
.text, #text, p{  
    color:rgb(106, 160, 150)  
}
```

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(106, 160, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 160, 150) }
```

Border

The CSS property to change the border of an element to XYZ 24.0197, 30.4078, 33.4575 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(106, 160, 150) }
```


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

```
.border{ border-color:rgb(106, 160, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 160, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 160, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 160, 150);  
box-shadow:4px 4px 4px 4px rgb(106, 160,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0197, 30.4078, 33.4575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 160, 150) }
```

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

```
.background{ background-color: rgb(106,  
160, 150) }
```

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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