

Converting Colors

XYZ(24.0949, 32.9990, 38.7880)

Have a look what the booklet for
XYZ(24.0949, 32.9990, 38.7880)
contains.

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Color

**XYZ(24.1160, 33.0281,
38.8222)**

Conversions

Conversions Part 1

Format	Color
Hex	50AAA1
RGB	80, 170, 161
RGB Percent	31%, 67%, 63%
CMY	0.6863, 0.3333, 0.3686
CMYK	0.53, 0.00, 0.05, 0.33
HSL	174°, 36%, 49%
HSV	174°, 53%, 67%
XYZ	24.1160, 33.0281, 38.8222
YIQ	142.0640, -50.7510, -21.8790

Conversions

Conversions Part 2

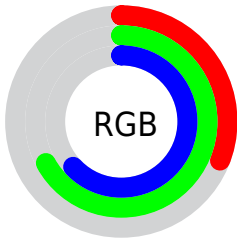
Format	Color
RYB	80, 127, 170
Decimal	5286561
CIELab	64.18, -29.08, -3.57
CIELCh	64, 29.300, 187.003
Yxy	33.0281, 0.2513, 0.3442
Android (android.graphics.Color)	4283476641 (0xFF50AAA1)
YUV	142.0640, 9.3354, -54.4301
Hunter-Lab	57.4701, -25.6692, 0.1775

Details

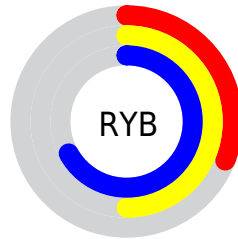
The XYZ color **24.1160, 33.0281, 38.8222** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.2505, 15.0056, 11.2287**, and the grayscale version is **25.7159, 27.0552, 29.4631**.

A 20% lighter version of the original color is **49.7444, 64.5848, 74.8101**, and **9.2759, 13.9000, 16.9459** is the 20% darker color. If you saturate the color by 10%, you get **22.7095, 32.3210, 37.9796**, and if you desaturate by 10%, it is **25.8896, 33.9258, 39.6941**.

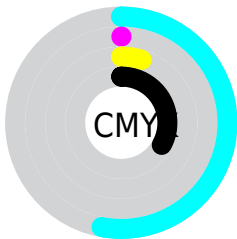
Distribution



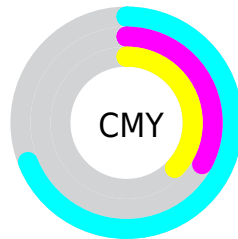
- Red (31%)
- Green (67%)
- Blue (63%)



- Red (31%)
- Yellow (50%)
- Blue (67%)



- Cyan (53%)
- Magenta (0%)
- Yellow (5%)
- Black (33%)



- Cyan (69%)
- Magenta (33%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1160, 33.0281, 38.8222 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 24.1160, 33.0281, 38.8222 by changing the saturation by 10% instead.

■ 24.1160, 33.0281,
38.8222

■ 24.1160, 33.0281,
38.8222

265.8360,
315.7763, 356.5373

■ 15.5449, 22.1480,
26.3147

■ 49.6727, 64.4194,
74.5840

■ 9.2915, 13.9657,
16.8313

■ 67.3891, 85.6994,
98.6753

■ 4.9904, 8.0968,
9.9536

■ 88.8845, 111.2147,
127.4650

■ 2.2763, 4.1569,
5.2630

■ 114.5244,
141.3499, 161.3715

■ 0.7825, 1.7617,
2.3410

■ 144.6742,
176.4892, 200.8135

■ 0.0000, 0.4632,
0.7540

179.6991,

■ 0.0000, 0.0000,

217.0171, 246.2094

0.0000

219.9646,
263.3181, 297.9778

■ 24.1160, 33.0281,
38.8222

■ 24.1160, 33.0281,
38.8222

■ 22.7095, 32.3210,
37.9796

■ 25.8896, 33.9258,
39.6941

■ 21.6393, 31.7863,
37.1626

■ 28.0525, 35.0231,
40.5942

■ 20.8743, 31.4087,
36.3705

■ 30.6284, 36.3331,
41.5243

■ 20.3763, 31.1684,
35.6013

■ 33.6384, 37.8667,
42.4855

■ 20.1250, 31.0504,
35.0693

■ 37.1021, 39.6339,
43.4788

■ 41.0380, 41.6443,
44.5050

■ 45.4635, 43.9068,
45.5650

■ 50.3950, 46.4300,
46.6596

■ 55.8482, 49.2219,
47.7896

Harmonies

Analogous

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



24.6015, 33.0281, 27.7481



24.1160, 33.0281, 38.8222



25.4382, 33.0281, 51.5533

Triad

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



24.1160, 33.0281, 38.8222



36.4466, 33.0281, 57.4873



34.6159, 33.0281, 18.7534

Complementary

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



24.1160, 33.0281, 38.8222



21.2505, 15.0056, 11.2287

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.



38.2096, 33.0281, 23.8813



24.1160, 33.0281, 38.8222



39.3300, 33.0281, 45.6553

Square

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



24.1160, 33.0281, 38.8222



32.3757, 33.0281, 63.7653



40.0020, 33.0281, 33.2458



30.4289, 33.0281, 17.7066

Rectangle

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



24.1160, 33.0281, 38.8222



27.2419, 33.0281, 58.7495



40.0020, 33.0281, 33.2458



35.9441, 33.0281, 19.9919

Sweetspot

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



24.1170, 33.0294, 38.8230



59.1114, 67.7241, 76.4920



20.0890, 31.5287, 12.6170



12.9372, 14.9779, 16.9804



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.



24.1170, 33.0294, 38.8230



40.7204, 58.3994, 68.5743



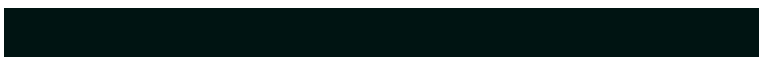
19.2989, 22.0767, 41.2757



7.7147, 8.5189, 9.4839



14.8153, 22.8449, 25.8578



0.3694, 0.5594, 0.6763

Inverse Universe

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



21.2505, 15.0056, 11.2287



34.9605, 22.0330, 13.0156



24.1005, 21.2741, 10.4262



7.5605, 7.5540, 8.0027



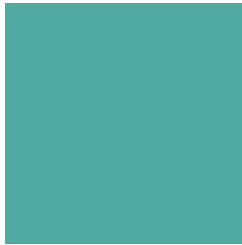
12.2794, 6.3205, 1.0170



0.3079, 0.1574, 0.0728

Previews

White Background



This preview shows how the XYZ color 24.1160, 33.0281, 38.8222 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 24.1160, 33.0281, 38.8222 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 24.1160, 33.0281, 38.8222

Background



This preview shows how black text looks on a background with the XYZ color 24.1160, 33.0281, 38.8222.

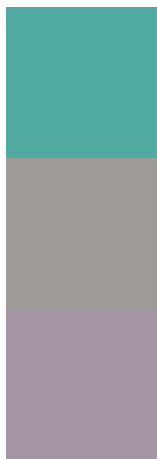


This preview shows how white text looks on a background with the XYZ color 24.1160, 33.0281,

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

24.1160, 33.0281, 38.8222

Protanopia

31.3236, 32.6473, 34.3564

Deuteranopia

33.2149, 32.5286, 40.1253



Tritanopia

26.0897, 32.9999, 48.7106

Trichromacy



Original Color

24.1160, 33.0281, 38.8222

Protanomaly

27.6931, 32.2540, 35.7764

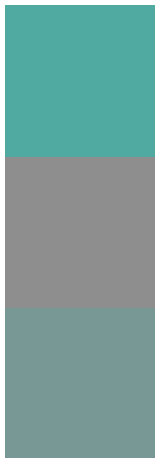
Deuteranomaly

28.5893, 31.8626, 39.7652

Tritanomaly

25.2988, 32.9461, 45.0702

Monochromacy



Original Color

24.1160, 33.0281, 38.8222

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.2608, 28.5483, 32.6655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1160, 33.0281, 38.8222 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(80, 170, 161)` looks like.

```
.text, #text, p{  
    color:rgb(80, 170, 161)  
}
```

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(80, 170, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 170, 161) }
```

Border

The CSS property to change the border of an element to XYZ 24.1160, 33.0281, 38.8222 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(80, 170, 161) }
```


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

```
.border{ border-color:rgb(80, 170, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 170, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 170, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 170, 161);  
box-shadow:4px 4px 4px 4px rgb(80, 170,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1160, 33.0281, 38.8222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 170, 161) }
```

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

```
.background{ background-color: rgb(80, 170,  
161) }
```

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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