

Converting Colors

XYZ(24.3418, 33.4484, 47.2003)

Have a look what the booklet for
XYZ(24.3418, 33.4484, 47.2003)
contains.

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Color

**XYZ(24.4193, 33.5602,
47.3102)**

Conversions

Conversions Part 1

Format	Color
Hex	38ACB2
RGB	56, 172, 178
RGB Percent	22%, 67%, 70%
CMY	0.7804, 0.3255, 0.3020
CMYK	0.69, 0.03, 0.00, 0.30
HSL	183°, 52%, 46%
HSV	183°, 69%, 70%
XYZ	24.4193, 33.5602, 47.3102
YIQ	138.0000, -71.0620, -22.7260

Conversions

Conversions Part 2

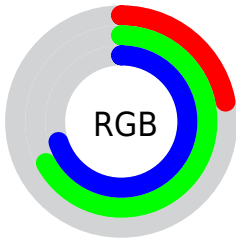
Format	Color
R _Y B	56, 115, 178
Decimal	3714226
CIE Lab	64.61, -29.61, -12.50
CIE LCh	65, 32.135, 202.884
Yxy	33.5602, 0.2319, 0.3187
Android (android.graphics.Color)	4281904306 (0xFF38ACB2)
YUV	138.0000, 19.7200, -71.9140
Hunter-Lab	57.9312, -26.1377, -7.8681

Details

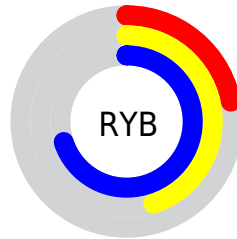
The XYZ color **24.4193, 33.5602, 47.3102** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.7973, 13.1965, 5.1933**, and the grayscale version is **24.1053, 25.3606, 27.6177**.

A 20% lighter version of the original color is **50.3404, 65.4204, 87.8161**, and **10.2985, 14.6743, 21.6917** is the 20% darker color. If you saturate the color by 10%, you get **23.4300, 32.8044, 47.2171**, and if you desaturate by 10%, it is **25.7654, 34.5030, 47.4218**.

Distribution



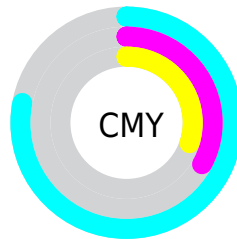
- Red (22%)
- Green (67%)
- Blue (70%)



- Red (22%)
- Yellow (45%)
- Blue (70%)



- Cyan (69%)
- Magenta (3%)
- Yellow (0%)
- Black (30%)



- Cyan (78%)
- Magenta (33%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4193, 33.5602, 47.3102 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 24.4193, 33.5602, 47.3102 by changing the saturation by 10% instead.

■ 24.4193, 33.5602,
47.3102

■ 24.4193, 33.5602,
47.3102

267.3348,
318.1665, 392.4809

■ 15.7714, 22.5559,
32.9248

■ 50.1633, 65.2492,
87.5313

■ 9.4523, 14.2660,
21.7982

■ 67.9901, 86.7026,
114.2041

■ 5.0968, 8.3059,
13.5118

■ 89.6071, 112.4080,
145.8098

■ 2.3395, 4.2913,
7.6471

■ 115.3799,
142.7496, 182.7670

■ 0.8148, 1.8378,
3.7854

■ 145.6737,
178.1119, 225.4942

■ 0.0000, 0.5106,
1.5084

180.8539,

■ 0.0000, 0.0000,

218.8792, 274.4098

0.2242

221.2858,
265.4359, 329.9326

■ 0.0000, 0.0000,
0.0000

■ 24.4193, 33.5602,
47.3102

■ 24.4193, 33.5602,
47.3102

■ 23.4300, 32.8044,
47.2171

■ 25.7654, 34.5030,
47.4218

■ 22.7549, 32.2116,
47.1382

■ 27.4989, 35.6464,
47.5512

■ 22.3269, 31.7477,
47.0712

■ 29.6507, 37.0070,
47.7004

■ 22.2703, 31.6831,
47.0618

■ 32.2475, 38.5987,
47.8708

■ 35.3141, 40.4343,
48.0634

■ 38.8733, 42.5254,
48.2795

■ 42.9464, 44.8831,
48.5199

■ 47.5534, 47.5177,
48.7856

■ 52.7134, 50.4390,
49.0775

Harmonies

Analogous

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



23.8972, 33.5602, 33.4904



24.4193, 33.5602, 47.3102



26.8499, 33.5602, 60.7082

Triad

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



24.4193, 33.5602, 47.3102



39.4885, 33.5602, 54.0695



33.0070, 33.5602, 16.7194

Complementary

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



24.4193, 33.5602, 47.3102



20.7973, 13.1965, 5.1933

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.



37.5421, 33.5602, 19.8273



24.4193, 33.5602, 47.3102



41.5106, 33.5602, 39.7722

Square

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



24.4193, 33.5602, 47.3102



35.4647, 33.5602, 65.2203



40.7661, 33.5602, 27.5448



28.5788, 33.5602, 17.8109

Rectangle

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



24.4193, 33.5602, 47.3102



29.3635, 33.5602, 66.5120



40.7661, 33.5602, 27.5448



34.5743, 33.5602, 17.2761

Sweetspot

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



24.4203, 33.5615, 47.3110



62.3777, 72.3368, 87.0559



18.3695, 33.0092, 9.6884



13.4797, 15.8230, 19.2659



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.4203, 33.5615, 47.3110



41.8240, 58.9284, 85.5511



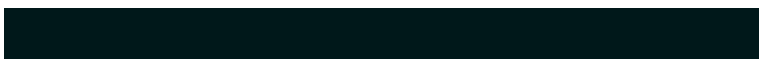
15.5654, 15.8517, 44.3594



8.7062, 9.5585, 10.8924



15.9482, 22.6968, 33.6774



0.5126, 0.7358, 1.0632

Inverse Universe

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



27.2215, 15.2728, 40.5443



47.3928, 24.1150, 71.7527



25.9203, 23.4426, 6.9010



8.8316, 8.6394, 10.6118



18.2846, 8.8314, 27.7223



0.5808, 0.2801, 0.9011

Previews

White Background



This preview shows how the XYZ color 24.4193, 33.5602, 47.3102 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 24.4193, 33.5602, 47.3102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

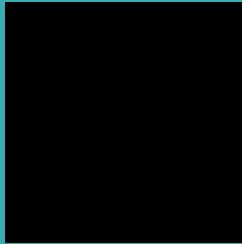
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.4193, 33.5602, 47.3102

Background



This preview shows how black text looks on a background with the XYZ color 24.4193, 33.5602, 47.3102.

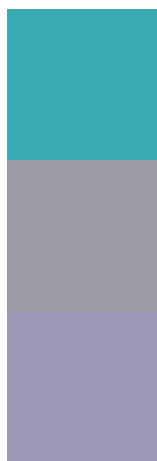


This preview shows how white text looks on a background with the XYZ color 24.4193, 33.5602,

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

24.4193, 33.5602, 47.3102

Protanopia

32.2140, 33.2013, 41.2698

Deuteranopia

33.7723, 33.1030, 48.8655



Tritanopia

25.1833, 33.5893, 51.0550

Trichromacy



Original Color

24.4193, 33.5602, 47.3102

Protanomaly

27.7033, 32.3520, 43.3125

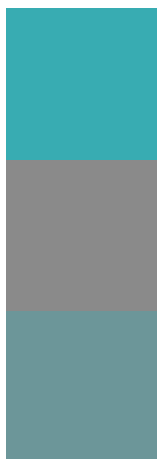
Deuteranomaly

28.6238, 32.1974, 48.4222

Tritanomaly

24.8100, 33.4330, 49.4016

Monochromacy



Original Color

24.4193, 33.5602, 47.3102

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.8405, 27.3007, 34.2027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4193, 33.5602, 47.3102 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(56, 172, 178)` looks like.

```
.text, #text, p{  
    color:rgb(56, 172, 178)  
}
```

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(56, 172, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 172, 178) }
```

Border

The CSS property to change the border of an element to XYZ 24.4193, 33.5602, 47.3102 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(56, 172, 178) }
```


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

```
.border{ border-color:rgb(56, 172, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 172, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 172, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 172, 178);  
box-shadow:4px 4px 4px 4px rgb(56, 172,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4193, 33.5602, 47.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 172, 178) }
```

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

```
.background{ background-color: rgb(56, 172,  
178) }
```

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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