

Converting Colors

XYZ(24.2327, 34.8951, 38.7821)

Have a look what the booklet for
XYZ(24.2327, 34.8951, 38.7821)
contains.

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Color

**XYZ(24.1852, 34.7820,
38.6966)**

Conversions

Conversions Part 1

Format	Color
Hex	43B0A0
RGB	67, 176, 160
RGB Percent	26%, 69%, 63%
CMY	0.7372, 0.3098, 0.3725
CMYK	0.62, 0.00, 0.09, 0.31
HSL	171°, 45%, 48%
HSV	171°, 62%, 69%
XYZ	24.1852, 34.7820, 38.6966
YIQ	141.5850, -59.8280, -28.0840

Conversions

Conversions Part 2

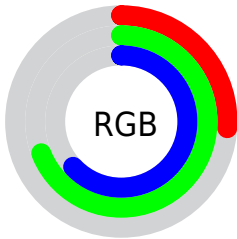
Format	Color
RYB	67, 126, 176
Decimal	4436128
CIELab	65.58, -34.79, -1.01
CIElCh	66, 34.806, 181.669
Yxy	34.7820, 0.2476, 0.3561
Android (android.graphics.Color)	4282626208 (0xFF43B0A0)
YUV	141.5850, 9.0786, -65.4110
Hunter-Lab	58.9763, -30.0085, 2.3809

Details

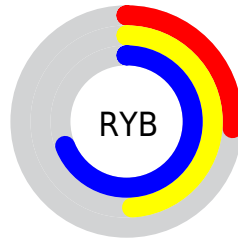
The XYZ color **24.1852, 34.7820, 38.6966** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **21.4741, 13.8699, 9.7301**, and the grayscale version is **25.5305, 26.8601, 29.2506**.

A 20% lighter version of the original color is **49.7265, 67.0551, 74.6121**, and **9.8433, 15.2700, 16.8966** is the 20% darker color. If you saturate the color by 10%, you get **22.9336, 34.1635, 37.4710**, and if you desaturate by 10%, it is **25.8101, 35.5941, 39.9658**.

Distribution



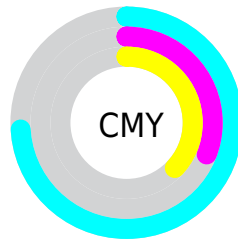
- Red (26%)
- Green (69%)
- Blue (63%)



- Red (26%)
- Yellow (49%)
- Blue (69%)



- Cyan (62%)
- Magenta (0%)
- Yellow (9%)
- Black (31%)



- Cyan (74%)
- Magenta (31%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1852, 34.7820, 38.6966 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 24.1852, 34.7820, 38.6966 by changing the saturation by 10% instead.

■ 24.1852, 34.7820,
38.6966

■ 24.1852, 34.7820,
38.6966

266.1786,
323.6050, 355.9862

■ 15.5965, 23.4950,
26.2178

■ 49.7847, 67.1479,
74.3898

■ 9.3281, 14.9594,
16.7594

■ 67.5263, 88.9956,
98.4413

■ 5.0146, 8.7909,
9.9030

■ 89.0496, 115.1323,
127.1874

■ 2.2907, 4.6051,
5.2299

■ 114.7199,
145.9425, 161.0467

■ 0.7899, 2.0175,
2.3217

■ 144.9026,
181.8104, 200.4376

■ 0.0000, 0.6176,
0.7433

179.9630,

■ 0.0000, 0.0000,

223.1206, 245.7789

0.0000

220.2666,
270.2573, 297.4889

■ 24.1852, 34.7820,
38.6966

■ 24.1852, 34.7820,
38.6966

■ 22.9336, 34.1635,
37.4710

■ 25.8101, 35.5941,
39.9658

■ 22.0179, 33.7167,
36.2847

■ 27.8355, 36.6113,
41.2776

■ 21.3982, 33.4220,
35.1365

■ 30.2895, 37.8489,
42.6343

■ 21.0442, 33.2591,
34.2343

■ 33.1966, 39.3195,
44.0371

■ 36.5797, 41.0350,
45.4874

■ 40.4599, 43.0062,
46.9861

■ 44.8574, 45.2434,
48.5344

■ 49.7908, 47.7564,
50.1334

■ 55.2781, 50.5544,
51.7839

Harmonies

Analogous

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



25.1490, 34.7820, 26.0347



24.1852, 34.7820, 38.6966



25.3881, 34.7820, 54.6336

Triad

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



24.1852, 34.7820, 38.6966



38.4859, 34.7820, 67.1941



37.9403, 34.7820, 18.1230

Complementary

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



24.1852, 34.7820, 38.6966



21.4741, 13.8699, 9.7301

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.



42.1382, 34.7820, 24.9454



24.1852, 34.7820, 38.6966



42.4753, 34.7820, 52.8424

Square

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



24.1852, 34.7820, 38.6966



33.3460, 34.7820, 73.5000



43.8751, 34.7820, 37.0586



32.7741, 34.7820, 16.1466

Rectangle

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



24.1852, 34.7820, 38.6966



27.3368, 34.7820, 64.4851



43.8751, 34.7820, 37.0586



39.5293, 34.7820, 19.8210

Sweetspot

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



24.1862, 34.7833, 38.6974



61.7146, 72.0747, 80.5408



20.1377, 33.3122, 10.6794



13.0231, 15.4417, 17.2971



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.



24.1862, 34.7833, 38.6974



40.9688, 61.6531, 67.2256



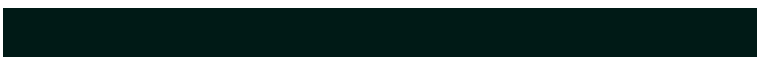
19.2192, 22.4630, 44.3986



8.6880, 9.6097, 10.6164



15.4568, 24.4087, 25.2059



0.5009, 0.7738, 0.8698

Inverse Universe

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



21.4741, 13.8699, 9.7301



35.6954, 20.5872, 10.6040



23.9856, 19.7702, 7.8627



8.5455, 8.5249, 9.1051



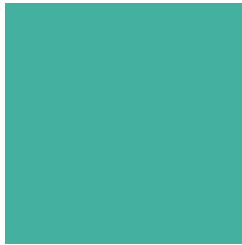
13.2862, 6.8320, 1.4010



0.4339, 0.2213, 0.1273

Previews

White Background



This preview shows how the XYZ color 24.1852, 34.7820, 38.6966 looks on a white background.

Color Contrast Check

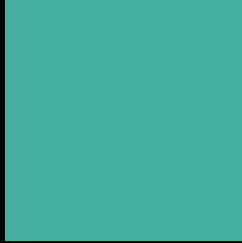
Large Text (above 18pt) WCAG AA × Fail

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 24.1852, 34.7820, 38.6966 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

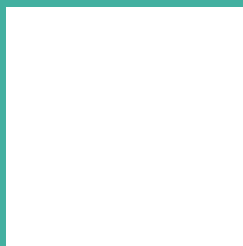
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.1852, 34.7820, 38.6966

Background



This preview shows how black text looks on a background with the XYZ color 24.1852, 34.7820, 38.6966.

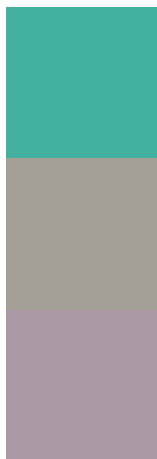


This preview shows how white text looks on a background with the XYZ color 24.1852, 34.7820,

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

24.1852, 34.7820, 38.6966

Protanopia

32.8361, 34.4423, 33.7715

Deuteranopia

34.7603, 34.0451, 40.3366



Tritanopia

26.7573, 34.6699, 51.7361

Trichromacy



Original Color

24.1852, 34.7820, 38.6966



Protanomaly

28.1900, 33.8326, 35.6164



Deuteranomaly

29.0286, 33.1206, 39.5133



Tritanomaly

25.7034, 34.5173, 46.9028

Monochromacy



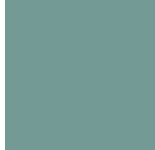
Original Color

24.1852, 34.7820, 38.6966



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.0506, 28.9260, 32.7494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1852, 34.7820, 38.6966 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(67, 176, 160)` looks like.

```
.text, #text, p{  
    color:rgb(67, 176, 160)  
}
```

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(67, 176, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 176, 160) }
```

Border

The CSS property to change the border of an element to XYZ 24.1852, 34.7820, 38.6966 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(67, 176, 160) }
```


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

```
.border{ border-color:rgb(67, 176, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 176, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 176, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 176, 160);  
box-shadow:4px 4px 4px 4px rgb(67, 176,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1852, 34.7820, 38.6966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 176, 160) }
```

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

```
.background{ background-color: rgb(67, 176,  
160) }
```

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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