

Converting Colors

XYZ(24.1637, 34.5522, 41.1855)

Have a look what the booklet for
XYZ(24.1637, 34.5522, 41.1855)
contains.

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Color

**XYZ(24.0460, 34.3687,
40.9638)**

Conversions

Conversions Part 1

Format	Color
Hex	3DAFA5
RGB	61, 175, 165
RGB Percent	24%, 69%, 65%
CMY	0.7608, 0.3137, 0.3529
CMYK	0.65, 0.00, 0.06, 0.31
HSL	175°, 48%, 46%
HSV	175°, 65%, 69%
XYZ	24.0460, 34.3687, 40.9638
YIQ	139.7740, -64.7340, -27.2780

Conversions

Conversions Part 2

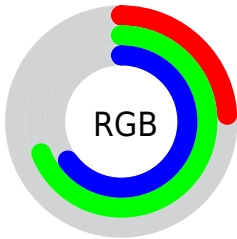
Format	Color
RYB	61, 121, 175
Decimal	4042661
CIELab	65.25, -34.00, -4.29
CIELCh	65, 34.272, 187.187
Yxy	34.3687, 0.2420, 0.3458
Android (android.graphics.Color)	4282232741 (0xFF3DAFA5)
YUV	139.7740, 12.4364, -69.0848
Hunter-Lab	58.6248, -29.3785, -0.3912

Details

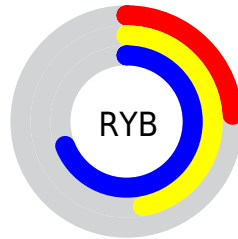
The XYZ color **24.0460, 34.3687, 40.9638** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **20.4865, 12.9074, 7.3741**, and the grayscale version is **24.8119, 26.1041, 28.4274**.

A 20% lighter version of the original color is **49.5202, 66.4567, 77.9276**, and **9.9402, 15.1113, 18.0157** is the 20% darker color. If you saturate the color by 10%, you get **23.0008, 33.8467, 40.1904**, and if you desaturate by 10%, it is **25.4463, 35.0751, 41.7641**.

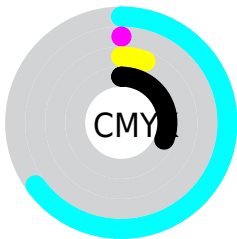
Distribution



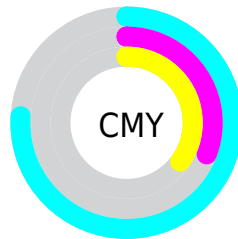
- Red (24%)
- Green (69%)
- Blue (65%)



- Red (24%)
- Yellow (47%)
- Blue (69%)



- Cyan (65%)
- Magenta (0%)
- Yellow (6%)
- Black (31%)



- Cyan (76%)
- Magenta (31%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0460, 34.3687, 40.9638 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 24.0460, 34.3687, 40.9638 by changing the saturation by 10% instead.

■ 24.0460, 34.3687,
40.9638

■ 24.0460, 34.3687,
40.9638

265.4891,
321.7730, 365.8415

■ 15.4927, 23.1770,
27.9713

■ 49.5594, 66.5066,
77.8820

■ 9.2544, 14.7242,
18.0652

■ 67.2501, 88.2216,
102.6448

■ 4.9659, 8.6261,
10.8269

■ 88.7174, 114.2132,
132.1681

■ 2.2618, 4.4981,
5.8378

■ 114.3266,
144.8657, 166.8705

■ 0.7750, 1.9559,
2.6795

■ 144.4430,
180.5635, 207.1705

■ 0.0000, 0.5817,
0.9331

179.4320,

■ 0.0000, 0.0000,

221.6910, 253.4866

0.0000

219.6589,
268.6327, 306.2374

■ 24.0460, 34.3687,
40.9638

■ 24.0460, 34.3687,
40.9638

■ 23.0008, 33.8467,
40.1904

■ 25.4463, 35.0751,
41.7641

■ 22.2721, 33.4869,
39.4398

■ 27.2297, 35.9781,
42.5903

■ 21.8168, 33.2679,
38.7107

■ 29.4246, 37.0929,
43.4446

■ 21.6450, 33.1869,
38.3618

■ 32.0560, 38.4326,
44.3282

■ 35.1469, 40.0091,
45.2422

■ 38.7188, 41.8332,
46.1876

■ 42.7916, 43.9154,
47.1654

■ 47.3843, 46.2654,
48.1765

■ 52.5147, 48.8924,
49.2217

Harmonies

Analogous

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



24.6003, 34.3687, 27.7513



24.0460, 34.3687, 40.9638



25.6068, 34.3687, 56.5966

Triad

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



24.0460, 34.3687, 40.9638



38.8121, 34.3687, 63.8423



36.5274, 34.3687, 17.3857

Complementary

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



24.0460, 34.3687, 40.9638



20.4865, 12.9074, 7.3741

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.



40.9171, 34.3687, 23.1556



24.0460, 34.3687, 40.9638



42.3271, 34.3687, 49.1120

Square

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



24.0460, 34.3687, 40.9638



33.8809, 34.3687, 71.8181



43.1342, 34.3687, 34.0899



31.4813, 34.3687, 16.2520

Rectangle

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



24.0460, 34.3687, 40.9638



27.7405, 34.3687, 65.5742



43.1342, 34.3687, 34.0899



38.1434, 34.3687, 18.7603

Sweetspot

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



24.0470, 34.3700, 40.9646



59.9580, 70.1284, 80.1652



18.8758, 32.3914, 9.6730



12.9956, 15.4182, 17.7179



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.



24.0470, 34.3700, 40.9646



40.5778, 60.3113, 71.4064



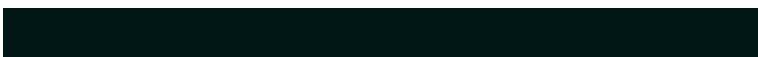
17.5665, 19.8947, 43.4731



8.2056, 9.0598, 10.1075



15.5116, 23.7699, 27.5316



0.4402, 0.6647, 0.8115

Inverse Universe

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



20.4865, 12.9074, 7.3741



33.7679, 18.9849, 6.9559



23.7389, 19.8844, 7.0026



8.0327, 8.0263, 8.4831



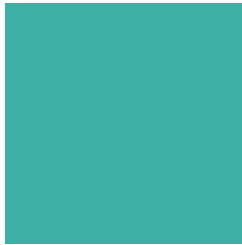
12.7346, 6.5564, 0.9819



0.3632, 0.1860, 0.0746

Previews

White Background



This preview shows how the XYZ color 24.0460, 34.3687, 40.9638 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 24.0460, 34.3687, 40.9638 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

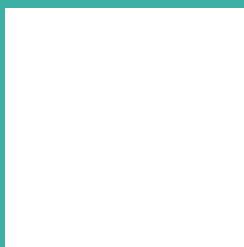
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0460, 34.3687, 40.9638

Background



This preview shows how black text looks on a background with the XYZ color 24.0460, 34.3687, 40.9638.

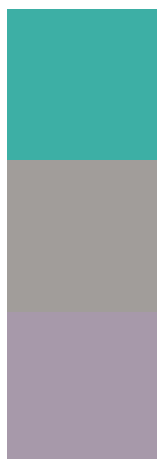


This preview shows how white text looks on a background with the XYZ color 24.0460, 34.3687,

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

24.0460, 34.3687, 40.9638

Protanopia

32.5876, 34.0241, 35.4216

Deuteranopia

34.5833, 33.9002, 42.7509



Tritanopia

26.2140, 34.3898, 51.7106

Trichromacy



Original Color

24.0460, 34.3687, 40.9638



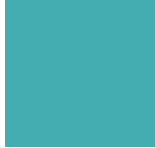
Protanomaly

27.9045, 33.3795, 37.3199



Deuteranomaly

28.7148, 32.9061, 41.8839



Tritanomaly

25.2942, 34.2948, 47.4059

Monochromacy



Original Color

24.0460, 34.3687, 40.9638



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.3716, 28.3319, 32.6706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0460, 34.3687, 40.9638 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(61, 175, 165)` looks like.

```
.text, #text, p{  
    color:rgb(61, 175, 165)  
}
```

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(61, 175, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 175, 165) }
```

Border

The CSS property to change the border of an element to XYZ 24.0460, 34.3687, 40.9638 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(61, 175, 165) }
```


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

```
.border{ border-color:rgb(61, 175, 165) }
```

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

Here you see how a box with a 4 pixel rgb(61, 175, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 175, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 175, 165);  
box-shadow:4px 4px 4px 4px rgb(61, 175,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0460, 34.3687, 40.9638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 175, 165) }
```

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

```
.background{ background-color: rgb(61, 175,  
165) }
```

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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