

Converting Colors

XYZ(24.1208, 36.2760, 39.4149)

Have a look what the booklet for
XYZ(24.1208, 36.2760, 39.4149)
contains.

XYZ(24.0836, 36.2018, 39.4365)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.0836, 36.2018,
39.4365)**

Conversions

Conversions Part 1

Format	Color
Hex	2EB5A1
RGB	46, 181, 161
RGB Percent	18%, 71%, 63%
CMY	0.8196, 0.2902, 0.3686
CMYK	0.75, 0.00, 0.11, 0.29
HSL	171°, 59%, 45%
HSV	171°, 75%, 71%
XYZ	24.0836, 36.2018, 39.4365
YIQ	138.3550, -74.0400, -34.8400

Conversions

Conversions Part 2

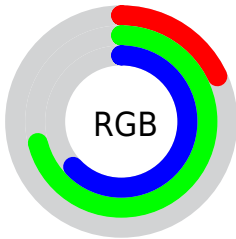
Format	Color
RYB	46, 119, 181
Decimal	3061153
CIELab	66.67, -39.96, -0.02
CIELCh	67, 39.957, 180.033
Yxy	36.2018, 0.2415, 0.3630
Android (android.graphics.Color)	4281251233 (0xFF2EB5A1)
YUV	138.3550, 11.1640, -80.9953
Hunter-Lab	60.1679, -33.8451, 3.2565

Details

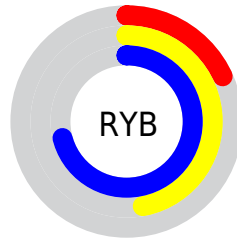
The XYZ color **24.0836, 36.2018, 39.4365** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **21.0176, 12.1721, 6.3973**, and the grayscale version is **24.2733, 25.5374, 27.8102**.

A 20% lighter version of the original color is **49.7793, 69.6176, 75.7797**, and **10.4038, 16.3045, 17.3506** is the 20% darker color. If you saturate the color by 10%, you get **23.1999, 35.7741, 38.1745**, and if you desaturate by 10%, it is **25.3181, 36.8114, 40.7430**.

Distribution



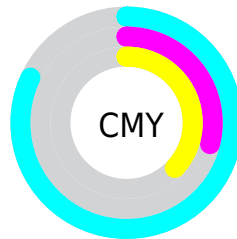
- Red (18%)
- Green (71%)
- Blue (63%)



- Red (18%)
- Yellow (47%)
- Blue (71%)



- Cyan (75%)
- Magenta (0%)
- Yellow (11%)
- Black (29%)



- Cyan (82%)
- Magenta (29%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0836, 36.2018, 39.4365 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 24.0836, 36.2018, 39.4365 by changing the saturation by 10% instead.

■ 24.0836, 36.2018,
39.4365

■ 24.0836, 36.2018,
39.4365

265.6755,
329.8417, 359.2240

■ 15.5207, 24.5901,
26.7890

■ 49.6203, 69.3434,
75.5323

■ 9.2743, 15.7719,
17.1838

■ 67.3248, 91.6421,
99.8178

■ 4.9791, 9.3629,
10.2023

■ 88.8072, 118.2720,
128.8197

■ 2.2696, 4.9786,
5.4259

■ 114.4329,
149.6173, 162.9565

■ 0.7791, 2.2347,
2.4362

■ 144.5672,
186.0625, 202.6468

■ 0.0000, 0.7388,
0.8061

179.5755,

■ 0.0000, 0.0000,

227.9921, 248.3091

0.0000

219.8232,
275.7904, 300.3620

■ 24.0836, 36.2018,
39.4365

■ 24.0836, 36.2018,
39.4365

■ 23.1999, 35.7741,
38.1745

■ 25.3181, 36.8114,
40.7430

■ 22.6173, 35.5003,
36.9521

■ 26.9387, 37.6187,
42.0935

■ 22.3726, 35.3882,
36.3040

■ 28.9800, 38.6422,
43.4904

■ 31.4716, 39.8973,
44.9354

■ 34.4407, 41.3979,
46.4299

■ 37.9121, 43.1569,
47.9751

■ 41.9090, 45.1861,
49.5724

■ 46.4531, 47.4969,
51.2229

■ 51.5649, 50.0997,
52.9276

Harmonies

Analogous

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



25.3241, 36.2018, 25.0700



24.0836, 36.2018, 39.4365



25.3295, 36.2018, 58.4446

Triad

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



24.0836, 36.2018, 39.4365



40.5328, 36.2018, 75.6432



40.5201, 36.2018, 17.1100

Complementary

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



24.0836, 36.2018, 39.4365



21.0176, 12.1721, 6.3973

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.



45.4334, 36.2018, 25.0459



24.0836, 36.2018, 39.4365



45.4413, 36.2018, 58.4020

Square

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



24.0836, 36.2018, 39.4365



34.4153, 36.2018, 82.7261



47.3295, 36.2018, 39.3987



34.4021, 36.2018, 14.6931

Rectangle

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



24.0836, 36.2018, 39.4365



27.4965, 36.2018, 70.6717



47.3295, 36.2018, 39.3987



42.3919, 36.2018, 19.0795

Sweetspot

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



24.0846, 36.2032, 39.4374



62.9781, 74.7971, 83.7570



19.2818, 34.4134, 8.2117



13.2767, 15.9967, 17.9462



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.



24.0846, 36.2032, 39.4374



40.8738, 63.7485, 67.0662



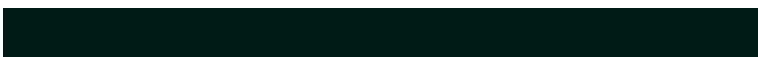
17.9590, 20.8997, 46.8051



8.6874, 9.6095, 10.6137



15.4427, 24.4031, 25.1321



0.5006, 0.7737, 0.8680

Inverse Universe

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



21.0176, 12.1721, 6.3973



35.2262, 18.6172, 5.5741



23.4868, 17.8951, 4.8017



8.5460, 8.5251, 9.1076



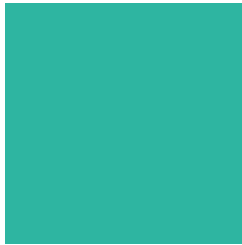
13.2882, 6.8328, 1.4118



0.4340, 0.2214, 0.1283

Previews

White Background



This preview shows how the XYZ color 24.0836, 36.2018, 39.4365 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 24.0836, 36.2018, 39.4365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

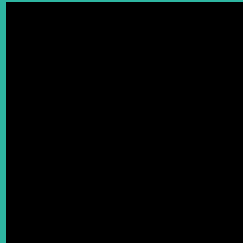
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

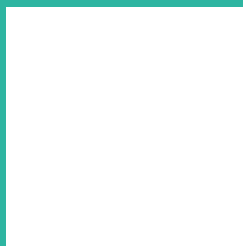
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0836, 36.2018, 39.4365

Background



This preview shows how black text looks on a background with the XYZ color 24.0836, 36.2018, 39.4365.

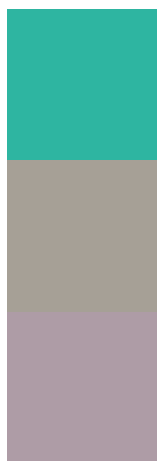


This preview shows how white text looks on a background with the XYZ color 24.0836, 36.2018,

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

24.0836, 36.2018, 39.4365

Protanopia

33.8017, 35.4506, 33.9153

Deuteranopia

36.2270, 35.5288, 41.0248



Tritanopia

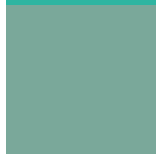
27.2405, 36.2959, 54.8603

Trichromacy



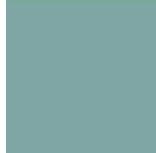
Original Color

24.0836, 36.2018, 39.4365



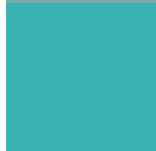
Protanomaly

27.8614, 34.4759, 35.7579



Deuteranomaly

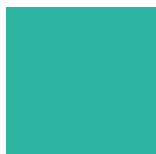
28.9084, 34.1026, 40.1808



Tritanomaly

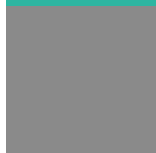
25.8460, 36.0059, 48.7676

Monochromacy



Original Color

24.0836, 36.2018, 39.4365



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.5696, 28.1898, 31.4458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0836, 36.2018, 39.4365 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(46, 181, 161)` looks like.

```
.text, #text, p{  
    color:rgb(46, 181, 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(46, 181, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 181, 161) }
```

Border

The CSS property to change the border of an element to XYZ 24.0836, 36.2018, 39.4365 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(46, 181, 161) }
```


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

```
.border{ border-color:rgb(46, 181, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 181, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 181, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 181, 161);  
box-shadow:4px 4px 4px 4px rgb(46, 181,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0836, 36.2018, 39.4365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 181, 161) }
```

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

```
.background{ background-color: rgb(46, 181,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor