

Converting Colors

XYZ(36.6294, 60.7818, 48.9359)

Have a look what the booklet for
XYZ(36.6294, 60.7818, 48.9359)
contains.

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Color

**XYZ(36.6564, 60.8739,
48.8476)**

Conversions

Conversions Part 1

Format	Color
Hex	17E8AC
RGB	23, 232, 172
RGB Percent	9%, 91%, 67%
CMY	0.9097, 0.0902, 0.3255
CMYK	0.90, 0.00, 0.26, 0.09
HSL	163°, 82%, 50%
HSV	163°, 90%, 91%
XYZ	36.6564, 60.8739, 48.8476
YIQ	162.6690, -105.3040, -62.9680

Conversions

Conversions Part 2

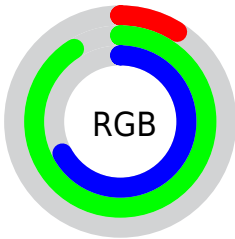
Format	Color
RYB	23, 145, 232
Decimal	1566892
CIELab	82.31, -59.80, 16.40
CIELCh	82, 62.012, 164.669
Yxy	60.8739, 0.2504, 0.4159
Android (android.graphics.Color)	4279756972 (0xFF17E8AC)
YUV	162.6690, 4.6002, -122.4897
Hunter-Lab	78.0217, -52.6746, 17.4951

Details

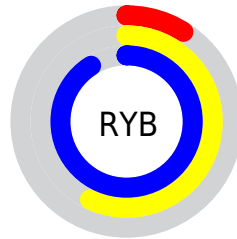
The XYZ color **36.6564, 60.8739, 48.8476** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **35.1489, 18.3949, 9.8861**, and the grayscale version is **34.6749, 36.4807, 39.7275**.

A 20% lighter version of the original color is **56.5646, 80.6435, 85.2575**, and **18.7201, 32.0160, 22.9624** is the 20% darker color. If you saturate the color by 10%, you get **35.6850, 60.4462, 45.5715**, and if you desaturate by 10%, it is **38.0970, 61.5423, 52.3404**.

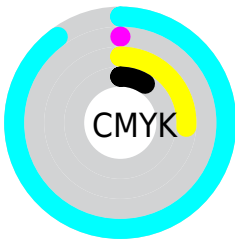
Distribution



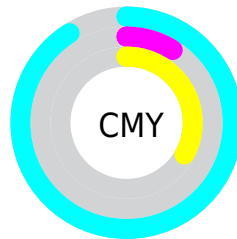
- Red (9%)
- Green (91%)
- Blue (67%)



- Red (9%)
- Yellow (57%)
- Blue (91%)



- Cyan (90%)
- Magenta (0%)
- Yellow (26%)
- Black (9%)





- Cyan (91%)
- Magenta (9%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6564, 60.8739, 48.8476 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 36.6564, 60.8739, 48.8476 by changing the saturation by 10% instead.

 36.6564, 60.8739,
48.8476


 36.6564, 60.8739,
48.8476


323.2019,
427.8115, 398.7473


 25.1140, 44.1234,
34.1339


 69.3613, 106.0963,
89.8437


 16.2912, 30.7675,
22.7183

 91.2545, 135.3371,
116.9631


 9.8226, 20.4219,
14.1823

 117.3287,
169.5100, 149.0549

 5.3429, 12.7021,
8.1073

 147.9492,
208.9995, 186.5375

 2.4866, 7.2237,
4.0750

 183.4815,
254.1900, 229.8295

 0.8885, 3.6024,
1.6666

224.2908,

 0.0000, 1.4537,

305.4659, 279.3494

0.3377

270.7425,
363.2116, 335.5158

■ 0.0000, 0.2558,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6564, 60.8739,
48.8476

■ 36.6564, 60.8739,
48.8476


■ 35.6850, 60.4462,
45.5715


■ 38.0970, 61.5423,
52.3404


■ 40.1331, 62.5124,
56.0295


■ 42.8464, 63.8278,
59.9225


■ 46.3042, 65.5232,
64.0246

 50.5654, 67.6288,
68.3411

 55.6829, 70.1719,
72.8764

 61.7049, 73.1772,
77.6350

 68.6760, 76.6678,
82.6212

 76.6378, 80.6650,
87.8388

Harmonies

Analogous

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



41.7758, 60.8739, 26.8386



36.6564, 60.8739, 48.8476



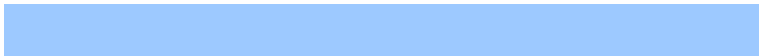
36.6003, 60.8739, 86.4622

Triad

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



36.6564, 60.8739, 48.8476



64.5324, 60.8739, 164.5029



77.8689, 60.8739, 27.1656

Complementary

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



36.6564, 60.8739, 48.8476



35.1489, 18.3949, 9.8861

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.



86.0749, 60.8739, 49.5137



36.6564, 60.8739, 48.8476



77.6160, 60.8739, 132.6461

Square

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



36.6564, 60.8739, 48.8476



51.3993, 60.8739, 164.1040



85.9758, 60.8739, 87.4361



64.8381, 60.8739, 17.9659

Rectangle

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



36.6564, 60.8739, 48.8476



39.3811, 60.8739, 116.8706



85.9758, 60.8739, 87.4361



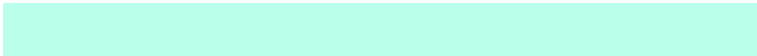
81.3653, 60.8739, 32.9150

Sweetspot

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



36.6580, 60.8763, 48.8490



71.0752, 87.9895, 92.0110



32.8241, 59.7421, 10.6131



14.6966, 18.5760, 19.2687



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.6580, 60.8763, 48.8490



44.1814, 74.8886, 56.2667



33.3781, 42.9254, 82.8728



14.6218, 16.2621, 17.5390



19.8672, 33.5790, 25.5987



1.5077, 2.4972, 2.1004

Inverse Universe

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



35.1489, 18.3949, 9.8861



42.4497, 21.7439, 8.3001



35.3146, 20.9780, 2.9996



14.5463, 14.4357, 15.8112



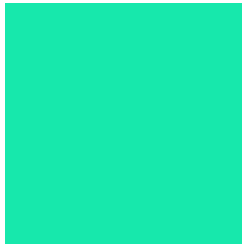
19.0781, 9.7655, 4.0403



1.4489, 0.7373, 0.5046

Previews

White Background



This preview shows how the XYZ color 36.6564, 60.8739, 48.8476 looks on a white background.

Color Contrast Check

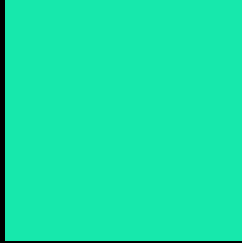
Large Text (above 18pt) WCAG AA × Fail

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 36.6564, 60.8739, 48.8476 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

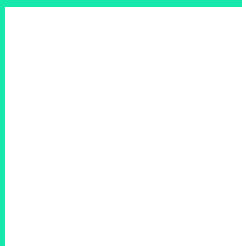
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6564, 60.8739, 48.8476

Background



This preview shows how black text looks on a background with the XYZ color 36.6564, 60.8739, 48.8476.

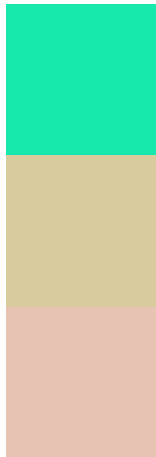


This preview shows how white text looks on a background with the XYZ color 36.6564, 60.8739,

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

36.6564, 60.8739, 48.8476

Protanopia

55.8464, 59.7794, 40.9429

Deuteranopia

60.7083, 59.3144, 51.4292



Tritanopia

45.3254, 60.7040, 92.5472

Trichromacy



Original Color

36.6564, 60.8739, 48.8476



Protanomaly

42.5115, 56.8485, 43.3826



Deuteranomaly

44.0093, 55.2546, 49.9407



Tritanomaly

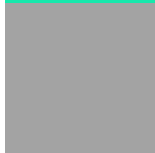
41.2784, 60.2204, 74.4139

Monochromacy



Original Color

36.6564, 60.8739, 48.8476



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

31.5482, 42.1644, 42.5522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6564, 60.8739, 48.8476 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(23, 232, 172)` looks like.

```
.text, #text, p{  
  color:rgb(23, 232, 172)  
}
```

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(23, 232, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 232, 172) }
```

Border

The CSS property to change the border of an element to XYZ 36.6564, 60.8739, 48.8476 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(23, 232, 172) }
```


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

```
.border{ border-color:rgb(23, 232, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 232, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 232, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 232, 172);  
box-shadow:4px 4px 4px 4px rgb(23, 232,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6564, 60.8739, 48.8476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 232, 172) }
```

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

```
.background{ background-color: rgb(23, 232,  
172) }
```

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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