

Converting Colors

XYZ(34.0272, 41.6248, 49.6233)

Have a look what the booklet for
XYZ(34.0272, 41.6248, 49.6233)
contains.

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Color

**XYZ(34.0738, 41.7515,
49.4430)**

Conversions

Conversions Part 1

Format	Color
Hex	80B7B4
RGB	128, 183, 180
RGB Percent	50%, 72%, 71%
CMY	0.4980, 0.2823, 0.2941
CMYK	0.30, 0.00, 0.02, 0.28
HSL	177°, 28%, 61%
HSV	177°, 30%, 72%
XYZ	34.0738, 41.7515, 49.4430
YIQ	166.2130, -31.8170, -12.5930

Conversions

Conversions Part 2

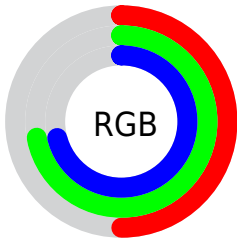
Format	Color
RYB	128, 156, 183
Decimal	8435636
CIELab	70.70, -18.51, -4.24
CIElCh	71, 18.991, 192.912
Yxy	41.7515, 0.2720, 0.3333
Android (android.graphics.Color)	4286625716 (0xFF80B7B4)
YUV	166.2130, 6.7970, -33.5128
Hunter-Lab	64.6154, -18.9481, -0.1373

Details

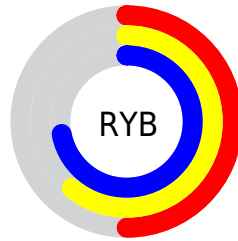
The XYZ color **34.0738, 41.7515, 49.4430** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.3458, 27.1455, 25.0618**, and the grayscale version is **36.3287, 38.2206, 41.6222**.

A 20% lighter version of the original color is **65.2982, 77.7342, 90.9195**, and **14.7939, 19.0341, 22.9729** is the 20% darker color. If you saturate the color by 10%, you get **31.4645, 40.4191, 48.7924**, and if you desaturate by 10%, it is **37.1827, 43.3434, 50.1226**.

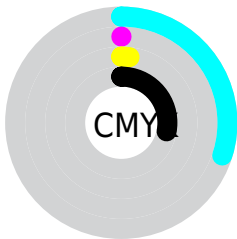
Distribution



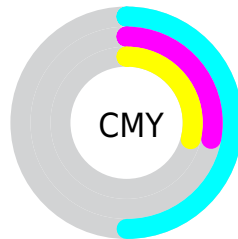
- Red (50%)
- Green (72%)
- Blue (71%)



- Red (50%)
- Yellow (61%)
- Blue (72%)



- Cyan (30%)
- Magenta (0%)
- Yellow (2%)
- Black (28%)





- Cyan (50%)
- Magenta (28%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0738, 41.7515, 49.4430 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 34.0738, 41.7515, 49.4430 by changing the saturation by 10% instead.


 34.0738, 41.7515,
49.4430


 34.0738, 41.7515,
49.4430


312.0411,
353.4518, 401.1562


 23.1135, 28.9068,
34.6029


 65.3919, 77.8234,
90.7368

 14.7985, 19.0103,
23.0761


 86.4805, 101.8193,
118.0277

 8.7635, 11.6777,
14.4439


 111.6757,
130.3011, 150.3059

 4.6431, 6.5246,
8.2878

141.3431,
163.6532, 187.9900

 2.0720, 3.1666,
4.1892

175.8480,
202.2599, 231.4986

 0.6739, 1.2193,
1.7297

215.5558,

 0.0000, 0.0774,

246.5056, 281.2501

0.3810

260.8317,
296.7748, 337.6631

■ 0.0000, 0.0000,
0.0000

■ 34.0738, 41.7515,
49.4430

■ 34.0738, 41.7515,
49.4430

■ 31.4645, 40.4191,
48.7924

■ 37.1827, 43.3434,
50.1226

■ 29.3245, 39.3276,
48.1667

■ 40.8122, 45.2027,
50.8295

■ 27.6258, 38.4634,
47.5655

■ 44.9867, 47.3427,
51.5657

■ 26.3359, 37.8099,
46.9872

■ 49.7279, 49.7748,
52.3324

■ 25.4179, 37.3480,
46.4301

■ 55.0561, 52.5095,
53.1303

■ 24.8282, 37.0553,
45.8921

■ 60.9909, 55.5567,
53.9605

■ 24.4784, 36.8862,
45.3720

■ 67.1432, 58.7161,
54.8048

■ 67.2506, 58.7590,
55.3700

■ 67.3587, 58.8022,
55.9392

Harmonies

Analogous

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



34.1770, 41.7515, 40.5567



34.0738, 41.7515, 49.4430



35.4154, 41.7515, 58.3076

Triad

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



34.0738, 41.7515, 49.4430



43.9470, 41.7515, 59.3678



41.4880, 41.7515, 30.8282

Complementary

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



34.0738, 41.7515, 49.4430



31.3458, 27.1455, 25.0618

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.



44.2815, 41.7515, 34.6540



34.0738, 41.7515, 49.4430



45.7519, 41.7515, 50.7440

Square

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



34.0738, 41.7515, 49.4430



41.0509, 41.7515, 64.5267



45.8775, 41.7515, 41.6974



38.3469, 41.7515, 30.5767

Rectangle

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



34.0738, 41.7515, 49.4430



36.9919, 41.7515, 62.6971



45.8775, 41.7515, 41.6974



42.5027, 41.7515, 31.7132

Sweetspot

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



34.0750, 41.7532, 49.4440



73.7275, 81.2800, 91.1482



30.2947, 40.3059, 26.6060



16.0594, 17.8371, 20.0903



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



34.0750, 41.7532, 49.4440



57.8698, 73.1631, 87.7810



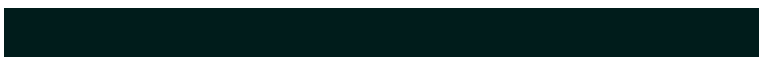
29.8774, 32.8631, 49.5702



9.2449, 10.2019, 11.4472



17.0842, 25.7346, 31.6950



0.6087, 0.9098, 1.1515

Inverse Universe

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



31.3458, 27.1455, 25.0618



52.2048, 42.8293, 37.1619



34.6274, 34.0296, 25.1662



9.0240, 9.0200, 9.4736



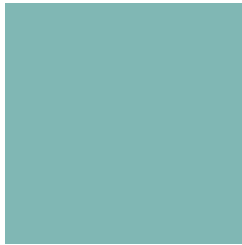
13.6699, 7.0417, 0.8825



0.4886, 0.2509, 0.0666

Previews

White Background



This preview shows how the XYZ color 34.0738, 41.7515, 49.4430 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 34.0738, 41.7515, 49.4430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

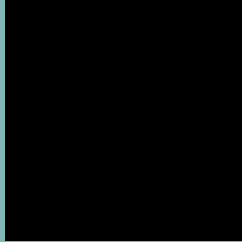
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.0738, 41.7515, 49.4430

Background



This preview shows how black text looks on a background with the XYZ color 34.0738, 41.7515, 49.4430.

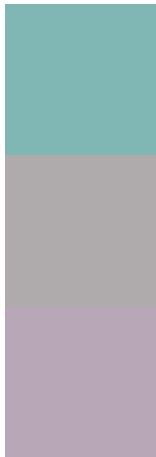


This preview shows how white text looks on a background with the XYZ color 34.0738, 41.7515,

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

34.0738, 41.7515, 49.4430

Protanopia

39.7849, 41.2569, 45.4017

Deuteranopia

42.1331, 41.2467, 50.5405



Tritanopia

35.7343, 41.8132, 57.8171

Trichromacy



Original Color

34.0738, 41.7515, 49.4430

Protanomaly

37.2670, 41.0636, 47.0362

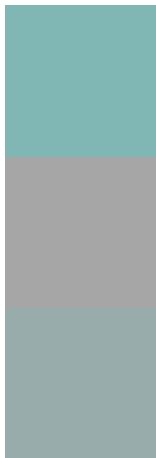
Deuteranomaly

38.6969, 41.1571, 50.1605

Tritanomaly

35.2281, 41.9194, 54.9497

Monochromacy



Original Color

34.0738, 41.7515, 49.4430

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.0521, 39.1207, 44.2317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0738, 41.7515, 49.4430 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(128, 183, 180)` looks like.

```
.text, #text, p{  
    color:rgb(128, 183, 180)  
}
```

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(128, 183, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 183, 180) }
```

Border

The CSS property to change the border of an element to XYZ 34.0738, 41.7515, 49.4430 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(128, 183, 180) }
```


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

```
.border{ border-color:rgb(128, 183, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 183, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 183, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 183, 180);  
box-shadow:4px 4px 4px 4px rgb(128, 183,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0738, 41.7515, 49.4430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 183, 180) }
```

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

```
.background{ background-color: rgb(128,  
183, 180) }
```

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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