

Converting Colors

XYZ(40.3935, 46.8946, 54.7601)

Have a look what the booklet for
XYZ(40.3935, 46.8946, 54.7601)
contains.

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Color

**XYZ(40.2236, 46.7014,
54.4712)**

Conversions

Conversions Part 1

Format	Color
Hex	98BDBC
RGB	152, 189, 188
RGB Percent	60%, 74%, 74%
CMY	0.4039, 0.2588, 0.2627
CMYK	0.20, 0.00, 0.01, 0.26
HSL	178°, 22%, 67%
HSV	178°, 20%, 74%
XYZ	40.2236, 46.7014, 54.4712
YIQ	177.8230, -21.7310, -8.1550

Conversions

Conversions Part 2

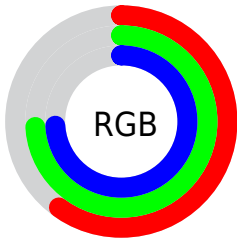
Format	Color
RYB	152, 171, 189
Decimal	10010044
CIELab	74.00, -12.53, -3.60
CIElCh	74, 13.039, 196.024
Yxy	46.7014, 0.2845, 0.3303
Android (android.graphics.Color)	4288200124 (0xFF98BDBC)
YUV	177.8230, 5.0173, -22.6468
Hunter-Lab	68.3384, -14.5282, 0.5780

Details

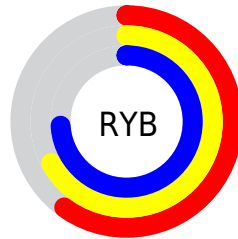
The XYZ color **40.2236, 46.7014, 54.4712** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.9659, 35.5765, 35.0049**, and the grayscale version is **42.2070, 44.4050, 48.3571**.

A 20% lighter version of the original color is **74.7137, 85.1019, 98.0764**, and **18.4329, 22.0669, 26.2095** is the 20% darker color. If you saturate the color by 10%, you get **36.9095, 45.0005, 54.0294**, and if you desaturate by 10%, it is **44.1043, 48.6968, 54.9425**.

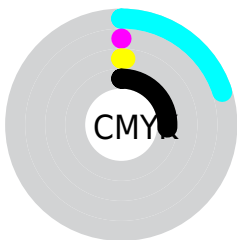
Distribution



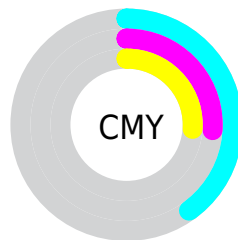
- Red (60%)
- Green (74%)
- Blue (74%)



- Red (60%)
- Yellow (67%)
- Blue (74%)



- Cyan (20%)
- Magenta (0%)
- Yellow (1%)
- Black (26%)



- Cyan (40%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2236, 46.7014, 54.4712 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 40.2236, 46.7014, 54.4712 by changing the saturation by 10% instead.

■ 40.2236, 46.7014,
54.4712

■ 40.2236, 46.7014,
54.4712

338.1834,
373.6214, 421.1296

■ 27.8979, 32.7997,
38.5828

■ 74.7861, 85.2677,
98.2291

■ 18.3888, 21.9730,
26.1300

■ 97.7535, 110.7011,
126.9357

■ 11.3308, 13.8371,
16.6943

124.9990,
140.7472, 160.7520

■ 6.3588, 8.0074,
9.8571

156.8878,
175.7903, 200.0967

■ 3.1072, 4.0997,
5.1999

193.7853,
216.2149, 245.3883

■ 1.2107, 1.7295,
2.3043

236.0568,

■ 0.1148, 0.4426,

262.4053, 297.0453

0.7336

284.0677,
314.7460, 355.4862

■ 0.0000, 0.0000,
0.0000

■ 40.2236, 46.7014,
54.4712

■ 40.2236, 46.7014,
54.4712

■ 36.9095, 45.0005,
54.0294

■ 44.1043, 48.6968,
54.9425

■ 34.1313, 43.5746,
53.6127

■ 48.5725, 50.9938,
55.4413

■ 31.8615, 42.4109,
53.2209

■ 53.6528, 53.6064,
55.9698

■ 30.0688, 41.4929,
52.8524

■ 59.3674, 56.5459,
56.5290

■ 28.7180, 40.8029,
52.5056

■ 65.7373, 59.8232,
57.1199

■ 27.7695, 40.3202,
52.1786

■ 68.8505, 61.4216,
57.5595

■ 27.1763, 40.0206,
51.8693

■ 68.9070, 61.4442,
57.8569

■ 26.8502, 39.8587,
51.5735

■ 68.9637, 61.4669,
58.1555

■ 26.8379, 39.8526,
51.5611

■ 69.0206, 61.4897,
58.4551

Harmonies

Analogous

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



40.1848, 46.7014, 47.8163



40.2236, 46.7014, 54.4712



41.3523, 46.7014, 60.6441

Triad

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



40.2236, 46.7014, 54.4712



47.6880, 46.7014, 60.2804



45.4781, 46.7014, 39.3970

Complementary

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



40.2236, 46.7014, 54.4712



37.9659, 35.5765, 35.0049

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.



47.5694, 46.7014, 42.1714



40.2236, 46.7014, 54.4712



48.8751, 46.7014, 54.0092

Square

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



40.2236, 46.7014, 54.4712



45.6354, 46.7014, 64.1929



48.8309, 46.7014, 47.3927



43.1641, 46.7014, 39.4971

Rectangle

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



40.2236, 46.7014, 54.4712



42.5941, 46.7014, 63.4853



48.8309, 46.7014, 47.3927



46.2321, 46.7014, 40.0131

Sweetspot

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



40.2250, 46.7033, 54.4723



81.6513, 88.5815, 98.7028



37.0475, 45.4591, 36.5286



17.4496, 18.9930, 21.2133



90.7827, 95.5105, 104.0109



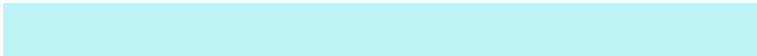
18.6292, 19.5994, 21.3438

Same Dimension

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



40.2250, 46.7033, 54.4723



69.6726, 82.4260, 97.2493



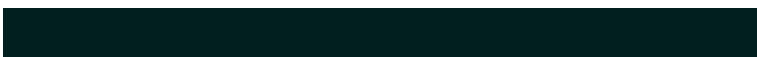
36.8374, 39.7547, 53.8781



9.7971, 10.8050, 12.1811



18.0614, 26.8148, 34.7157



0.7110, 1.0518, 1.3786

Inverse Universe

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



37.9659, 35.5765, 35.0049



64.9724, 59.2739, 56.7440



40.8930, 41.5627, 35.5738



9.5404, 9.5404, 9.9686



14.1437, 7.2886, 0.7844



0.5576, 0.2870, 0.0498

Previews

White Background



This preview shows how the XYZ color 40.2236, 46.7014, 54.4712 looks on a white background.

Color Contrast Check

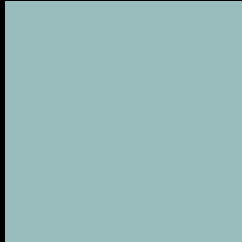
Large Text (above 18pt) WCAG AA × Fail

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 40.2236, 46.7014, 54.4712 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 40.2236, 46.7014, 54.4712

Background



This preview shows how black text looks on a background with the XYZ color 40.2236, 46.7014, 54.4712.

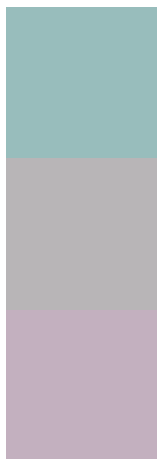


This preview shows how white text looks on a background with the XYZ color 40.2236, 46.7014,

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

40.2236, 46.7014, 54.4712

Protanopia

44.8383, 46.6570, 51.4422

Deuteranopia

47.4350, 46.4144, 55.7490



Tritanopia

41.9486, 46.7735, 62.6944

Trichromacy



Original Color

40.2236, 46.7014, 54.4712

Protanomaly

42.9107, 46.5544, 52.6232

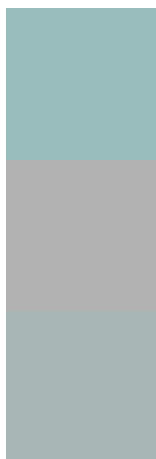
Deuteranomaly

44.4085, 46.3492, 55.3209

Tritanomaly

41.3877, 46.8677, 59.6883

Monochromacy



Original Color

40.2236, 46.7014, 54.4712

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.5336, 45.2683, 50.8046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2236, 46.7014, 54.4712 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(152, 189, 188)` looks like.

```
.text, #text, p{  
    color:rgb(152, 189, 188)  
}
```

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(152, 189, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 189, 188) }
```

Border

The CSS property to change the border of an element to XYZ 40.2236, 46.7014, 54.4712 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(152, 189, 188) }
```


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

```
.border{ border-color:rgb(152, 189, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 189, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 189, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 189, 188);  
box-shadow:4px 4px 4px 4px rgb(152, 189,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2236, 46.7014, 54.4712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 189, 188) }
```

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

```
.background{ background-color: rgb(152,  
189, 188) }
```

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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