

Converting Colors

XYZ(34.6324, 41.1655, 47.3665)

Have a look what the booklet for
XYZ(34.6324, 41.1655, 47.3665)
contains.

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Color

**XYZ(34.6390, 41.1804,
47.1972)**

Conversions

Conversions Part 1

Format	Color
Hex	8AB4B0
RGB	138, 180, 176
RGB Percent	54%, 71%, 69%
CMY	0.4588, 0.2941, 0.3098
CMYK	0.23, 0.00, 0.02, 0.29
HSL	174°, 22%, 62%
HSV	174°, 23%, 71%
XYZ	34.6390, 41.1804, 47.1972
YIQ	166.9860, -23.7480, -10.1480

Conversions

Conversions Part 2

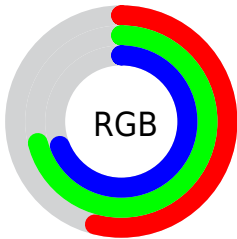
Format	Color
R_{YB}	138, 160, 180
Decimal	9090224
CIE _{Lab}	70.30, -14.85, -2.56
CIE _{LCh}	70, 15.066, 189.801
Yxy	41.1804, 0.2816, 0.3348
Android (android.graphics.Color)	4287280304 (0xFF8AB4B0)
YUV	166.9860, 4.4439, -25.4207
Hunter-Lab	64.1720, -15.9495, 1.3138

Details

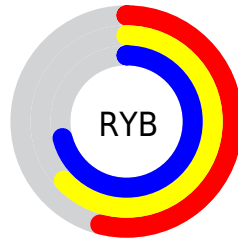
The XYZ color **34.6390, 41.1804, 47.1972** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.7949, 29.8345, 29.6232**, and the grayscale version is **36.7121, 38.6240, 42.0615**.

A 20% lighter version of the original color is **66.2992, 77.0236, 87.7166**, and **15.1579, 18.6602, 21.8717** is the 20% darker color. If you saturate the color by 10%, you get **31.7359, 39.7043, 46.1817**, and if you desaturate by 10%, it is **38.0402, 42.9151, 48.2489**.

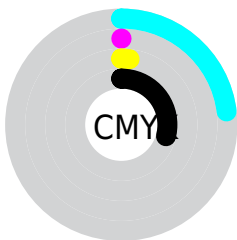
Distribution



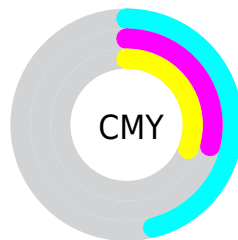
- Red (54%)
- Green (71%)
- Blue (69%)



- Red (54%)
- Yellow (63%)
- Blue (71%)



- Cyan (23%)
- Magenta (0%)
- Yellow (2%)
- Black (29%)



- Cyan (46%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6390, 41.1804, 47.1972 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 34.6390, 41.1804, 47.1972 by changing the saturation by 10% instead.

■ 34.6390, 41.1804,
47.1972

■ 34.6390, 41.1804,
47.1972

314.5080,
351.0740, 392.0176

■ 23.5501, 28.4601,
32.8361

■ 66.2639, 76.9577,
87.3610

■ 15.1232, 18.6728,
21.7308

■ 87.5306, 100.7834,
114.0007

■ 8.9928, 11.4341,
13.4628

■ 112.9206,
129.0797, 145.5705

■ 4.7935, 6.3596,
7.6136

142.7993,
162.2310, 182.4887

■ 2.1601, 3.0649,
3.7645

177.5320,
200.6217, 225.1740

■ 0.7216, 1.1657,
1.4970

217.4842,

■ 0.0000, 0.0334,

244.6362, 274.0449

0.2157

263.0210,
294.6588, 329.5199

■ 0.0000, 0.0000,
0.0000

■ 34.6390, 41.1804,
47.1972

■ 34.6390, 41.1804,
47.1972

■ 31.7359, 39.7043,
46.1817

■ 38.0402, 42.9151,
48.2489

■ 29.3030, 38.4694,
45.1986

■ 41.9586, 44.9152,
49.3352

■ 27.3151, 37.4636,
44.2474

■ 46.4167, 47.1931,
50.4580

■ 25.7434, 36.6721,
43.3267

■ 51.4343, 49.7593,
51.6183

■ 24.5553, 36.0781,
42.4350

■ 57.0306, 52.6236,
52.8171

■ 23.7137, 35.6625,
41.5705

■ 63.2237, 55.7953,
54.0552

■ 23.1739, 35.4023,
40.7311

■ 66.6400, 57.5352,
55.1747

■ 22.9195, 35.2830,
40.1825

■ 66.8261, 57.6096,
56.1546

■ 67.0143, 57.6849,
57.1461

Harmonies

Analogous

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



34.8450, 41.1804, 40.2983



34.6390, 41.1804, 47.1972



35.5996, 41.1804, 54.1342

Triad

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



34.6390, 41.1804, 47.1972



42.2646, 41.1804, 56.1373



40.8058, 41.1804, 33.2323

Complementary

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



34.6390, 41.1804, 47.1972



32.7949, 29.8345, 29.6232

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.



42.9092, 41.1804, 36.6728



34.6390, 41.1804, 47.1972



43.7757, 41.1804, 49.7074

Square

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



34.6390, 41.1804, 47.1972



39.9559, 41.1804, 59.6432



44.0165, 41.1804, 42.5596



38.3367, 41.1804, 32.7119

Rectangle

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



34.6390, 41.1804, 47.1972



36.7970, 41.1804, 57.6702



44.0165, 41.1804, 42.5596



41.5819, 41.1804, 34.0670

Sweetspot

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



34.6402, 41.1821, 47.1981



73.2736, 80.0059, 88.6979



32.0997, 40.2477, 30.1224



15.7465, 17.2459, 19.1459



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.



34.6402, 41.1821, 47.1981



59.9882, 73.2335, 84.6206



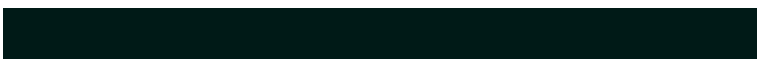
31.8535, 34.9655, 48.2521



8.7070, 9.6173, 10.7169



16.0092, 24.6296, 28.1148



0.5138, 0.7790, 0.9376

Inverse Universe

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



32.7949, 29.8345, 29.6232



56.0554, 49.0392, 47.1569



35.0994, 34.9159, 28.9351



8.5282, 8.5180, 9.0138



13.2201, 6.8056, 1.0532



0.4267, 0.2184, 0.0894

Previews

White Background



This preview shows how the XYZ color 34.6390, 41.1804, 47.1972 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 34.6390, 41.1804, 47.1972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

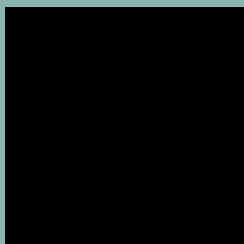
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

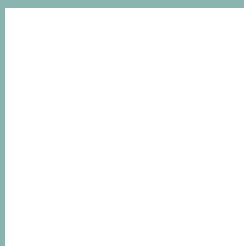
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6390, 41.1804, 47.1972

Background



This preview shows how black text looks on a background with the XYZ color 34.6390, 41.1804, 47.1972.

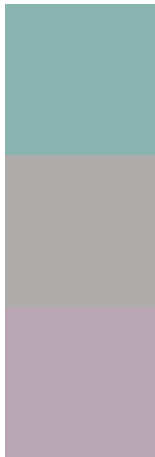


This preview shows how white text looks on a background with the XYZ color 34.6390, 41.1804,

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

34.6390, 41.1804, 47.1972

Protanopia

39.3692, 41.0648, 44.3794

Deuteranopia

41.7805, 40.8414, 48.3289



Tritanopia

36.4193, 41.3093, 55.9232

Trichromacy



Original Color

34.6390, 41.1804, 47.1972

Protanomaly

37.3768, 40.8663, 45.4532

Deuteranomaly

38.7472, 40.6650, 47.9264

Tritanomaly

35.7982, 41.3608, 52.5510

Monochromacy



Original Color

34.6390, 41.1804, 47.1972

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.7185, 39.4752, 43.7671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6390, 41.1804, 47.1972 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(138, 180, 176)` looks like.

```
.text, #text, p{  
    color:rgb(138, 180, 176)  
}
```

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(138, 180, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 180, 176) }
```

Border

The CSS property to change the border of an element to XYZ 34.6390, 41.1804, 47.1972 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(138, 180, 176) }
```


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

```
.border{ border-color:rgb(138, 180, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 180, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 180, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 180, 176);  
box-shadow:4px 4px 4px 4px rgb(138, 180,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6390, 41.1804, 47.1972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 180, 176) }
```

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

```
.background{ background-color: rgb(138,  
180, 176) }
```

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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