

Converting Colors

XYZ(34.1993, 43.2678, 40.2846)

Have a look what the booklet for
XYZ(34.1993, 43.2678, 40.2846)
contains.

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Color

**XYZ(34.1950, 43.2648,
40.2669)**

Conversions

Conversions Part 1

Format	Color
Hex	87BBA1
RGB	135, 187, 161
RGB Percent	53%, 73%, 63%
CMY	0.4706, 0.2667, 0.3686
CMYK	0.28, 0.00, 0.14, 0.27
HSL	150°, 28%, 63%
HSV	150°, 28%, 73%
XYZ	34.1950, 43.2648, 40.2669
YIQ	168.4880, -22.6460, -19.1100

Conversions

Conversions Part 2

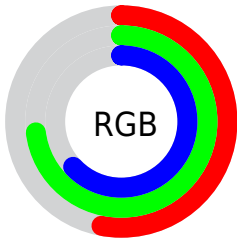
Format	Color
RYB	135, 170, 187
Decimal	8895393
CIELab	71.73, -22.55, 7.71
CIElCh	72, 23.833, 161.129
Yxy	43.2648, 0.2905, 0.3675
Android (android.graphics.Color)	4287085473 (0xFF87BBA1)
YUV	168.4880, -3.6916, -29.3690
Hunter-Lab	65.7760, -22.3111, 9.7469

Details

The XYZ color **34.1950, 43.2648, 40.2669** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.5920, 30.4669, 37.7247**, and the grayscale version is **37.4859, 39.4381, 42.9481**.

A 20% lighter version of the original color is **65.4315, 79.8779, 76.9351**, and **14.9416, 20.0391, 17.5484** is the 20% darker color. If you saturate the color by 10%, you get **30.6526, 41.5316, 35.9569**, and if you desaturate by 10%, it is **38.3299, 45.2987, 44.9284**.

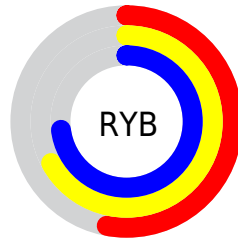
Distribution



Red (53%)

Green (73%)

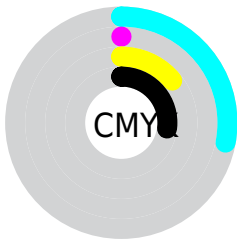
Blue (63%)



Red (53%)

Yellow (67%)

Blue (73%)

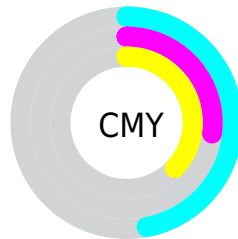


Cyan (28%)

Magenta (0%)

Yellow (14%)

Black (27%)



Cyan (47%)


Magenta (27%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1950, 43.2648, 40.2669 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 34.1950, 43.2648, 40.2669 by changing the saturation by 10% instead.


 34.1950, 43.2648,
40.2669


 34.1950, 43.2648,
40.2669


312.5713,
359.6996, 362.8327


 23.2070, 30.0929,
27.4313


 65.5791, 80.1103,
76.8113

 14.8680, 19.9091,
17.6621


 86.7059, 104.5527,
101.3572

 8.8125, 12.3290,
10.5408


 111.9431,
133.5208, 130.6437

 4.6752, 6.9682,
5.6487

141.6559,
167.3989, 165.0892

 2.0908, 3.4422,
2.5674

176.2098,
206.5715, 205.1123

 0.6842, 1.3667,
0.8755

215.9701,

 0.0000, 0.1920,

251.4228, 251.1316

0.0000

261.3021,
302.3374, 303.5655

■ 0.0000, 0.0000,
0.0000

■ 34.1950, 43.2648,
40.2669

■ 34.1950, 43.2648,
40.2669

■ 30.6526, 41.5316,
35.9569

■ 38.3299, 45.2987,
44.9284

■ 27.6702, 40.0789,
31.9872

■ 43.0808, 47.6417,
49.9466

■ 25.2175, 38.8924,
28.3500

■ 48.4739, 50.3084,
55.3301

■ 23.2595, 37.9543,
25.0362

■ 54.5331, 53.3109,
61.0865

■ 21.7571, 37.2447,
22.0361

■ 61.2809, 56.6607,
67.2230

■ 20.6645, 36.7399,
19.3395

■ 68.7388, 60.3687,
73.7467

■ 19.9130, 36.4050,
16.9347

■ 72.8013, 62.3184,
80.4713

■ 19.7691, 36.3415,
16.4447

■ 74.1233, 62.8472,
87.4333

■ 75.5165, 63.4045,
94.7699

Harmonies

Analogous

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



36.2170, 43.2648, 32.2479



34.1950, 43.2648, 40.2669



33.9553, 43.2648, 51.5378

Triad

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



34.1950, 43.2648, 40.2669



42.6409, 43.2648, 72.5073



47.2605, 43.2648, 33.9275

Complementary

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



34.1950, 43.2648, 40.2669



35.5920, 30.4669, 37.7247

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.



49.2320, 43.2648, 42.9396



34.1950, 43.2648, 40.2669



46.4507, 43.2648, 65.9490

Square

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



34.1950, 43.2648, 40.2669



38.6581, 43.2648, 71.4749



48.9262, 43.2648, 54.6831



43.6882, 43.2648, 29.0235

Rectangle

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



34.1950, 43.2648, 40.2669



34.8192, 43.2648, 59.5820



48.9262, 43.2648, 54.6831



48.1427, 43.2648, 36.5092

Sweetspot

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



34.1962, 43.2666, 40.2679



76.8631, 85.1786, 89.1513



37.0182, 44.9593, 29.6491



16.6278, 18.6102, 19.3242



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.



34.1962, 43.2666, 40.2679



57.4829, 75.6442, 67.6204



36.6406, 44.2443, 53.1398



9.6023, 10.7271, 11.1554



13.6569, 25.0530, 11.5220



0.5680, 0.9946, 0.6252

Inverse Universe

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



35.5920, 30.4669, 37.7247



60.3723, 49.1482, 62.3559



33.5932, 29.6674, 27.1992



9.7237, 9.6138, 10.9342



15.5335, 7.8445, 8.1028



0.6415, 0.3205, 0.4913

Previews

White Background



This preview shows how the XYZ color 34.1950, 43.2648, 40.2669 looks on a white background.

Color Contrast Check

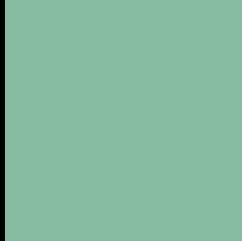
Large Text (above 18pt) WCAG AA × Fail

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 34.1950, 43.2648, 40.2669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

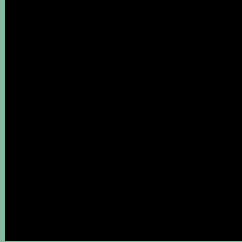
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.1950, 43.2648, 40.2669

Background



This preview shows how black text looks on a background with the XYZ color 34.1950, 43.2648, 40.2669.



This preview shows how white text looks on a background with the XYZ color 34.1950, 43.2648,

40.2669.

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

34.1950, 43.2648, 40.2669

Protanopia

40.7748, 43.0938, 37.1792

Deuteranopia

43.7444, 42.8283, 41.5584



Tritanopia

37.9613, 43.2379, 59.1683

Trichromacy



Original Color

34.1950, 43.2648, 40.2669

Protanomaly

37.9318, 42.7815, 38.1567

Deuteranomaly

39.6817, 42.7297, 41.2782

Tritanomaly

36.4397, 43.2306, 51.7712

Monochromacy



Original Color

34.1950, 43.2648, 40.2669

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.8318, 40.4445, 41.5153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1950, 43.2648, 40.2669 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(135, 187, 161)` looks like.

```
.text, #text, p{  
    color:rgb(135, 187, 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(135, 187, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 187, 161) }
```

Border

The CSS property to change the border of an element to XYZ 34.1950, 43.2648, 40.2669 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(135, 187, 161) }
```


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

```
.border{ border-color:rgb(135, 187, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 187, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 187, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 187, 161);  
box-shadow:4px 4px 4px 4px rgb(135, 187,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1950, 43.2648, 40.2669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 187, 161) }
```

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

```
.background{ background-color: rgb(135,  
187, 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](#).

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