

Converting Colors

XYZ(34.6286, 40.6505, 20.1258)

Have a look what the booklet for
XYZ(34.6286, 40.6505, 20.1258)
contains.

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Color

**XYZ(34.5943, 40.5684,
20.1945)**

Conversions

Conversions Part 1

Format	Color
Hex	A9B06C
RGB	169, 176, 108
RGB Percent	66%, 69%, 42%
CMY	0.3373, 0.3098, 0.5765
CMYK	0.04, 0.00, 0.39, 0.31
HSL	66°, 30%, 56%
HSV	66°, 39%, 69%
XYZ	34.5943, 40.5684, 20.1945
YIQ	166.1550, 17.6560, -22.6320

Conversions

Conversions Part 2

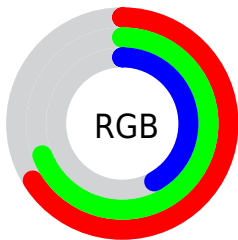
Format	Color
RYB	108, 176, 115
Decimal	11120748
CIELab	69.87, -13.15, 34.00
CIELCh	70, 36.453, 111.142
Yxy	40.5684, 0.3628, 0.4254
Android (android.graphics.Color)	4289310828 (0xFFA9B06C)
YUV	166.1550, -28.6704, 2.4951
Hunter-Lab	63.6933, -14.5131, 25.7869

Details

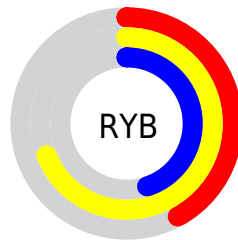
The XYZ color **34.5943, 40.5684, 20.1945** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.2708, 17.5056, 43.3872**, and the grayscale version is **36.4497, 38.3480, 41.7609**.

A 20% lighter version of the original color is **66.2531, 76.2588, 44.4852**, and **15.1995, 18.4441, 6.8966** is the 20% darker color. If you saturate the color by 10%, you get **33.3648, 40.0334, 15.7314**, and if you desaturate by 10%, it is **36.0204, 41.1855, 25.6555**.

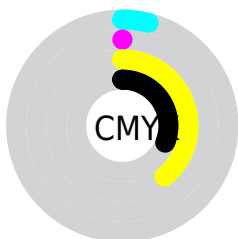
Distribution



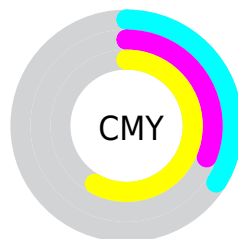
- Red (66%)
- Green (69%)
- Blue (42%)



- Red (42%)
- Yellow (69%)
- Blue (45%)



- Cyan (4%)
- Magenta (0%)
- Yellow (39%)
- Black (31%)



- Cyan (34%)
- Magenta (31%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5943, 40.5684, 20.1945 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 34.5943, 40.5684, 20.1945 by changing the saturation by 10% instead.

■ 34.5943, 40.5684,
20.1945

■ 34.5943, 40.5684,
20.1945

314.3134,
348.5135, 265.6051

■ 23.5156, 27.9820,
12.3510

■ 66.1950, 76.0283,
44.6063

■ 15.0975, 18.3121,
6.8578

■ 87.4476, 99.6705,
62.0117

■ 8.9746, 11.1743,
3.2962

■ 112.8223,
127.7669, 83.4415

■ 4.7816, 6.1842,
1.2478

■ 142.6843,
160.7017, 109.3142

■ 2.1531, 2.9574,
0.0184

177.3991,
198.8594, 140.0484

■ 0.7179, 1.1095,
0.0000

217.3320,

■ 0.0000, 0.0000,

242.6243, 176.0625

0.0000

262.8483,
292.3809, 217.7753

■ 34.5943, 40.5684,
20.1945

■ 34.5943, 40.5684,
20.1945

■ 33.3648, 40.0334,
15.7314

■ 36.0204, 41.1855,
25.6555

■ 32.3173, 39.5704,
12.2033

■ 37.6505, 41.8834,
32.1671

■ 31.4401, 39.1761,
9.5444


■ 39.4954, 42.6679,
39.7814


■ 30.7189, 38.8449,
7.6788


■ 41.5642, 43.5425,
48.5462


■ 30.1368, 38.5699,
6.5182


■ 43.8654, 44.5108,
58.5065


 29.6641, 38.3393,
5.9057

 46.4073, 45.5759,
69.7050

 29.6023, 38.3089,
5.8342

 49.1974, 46.7410,
82.1822

 52.2432, 48.0090,
95.9767

 53.6602, 48.6261,
101.1653

Harmonies

Analogous

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



40.3401, 40.5684, 19.1410



34.5943, 40.5684, 20.1945



30.3507, 40.5684, 26.7014

Triad

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



34.5943, 40.5684, 20.1945



31.8441, 40.5684, 74.7610



50.9464, 40.5684, 49.3891

Complementary

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



34.5943, 40.5684, 20.1945



20.2708, 17.5056, 43.3872

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.



48.1280, 40.5684, 67.9668



34.5943, 40.5684, 20.1945



36.8312, 40.5684, 84.8883

Square

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



34.5943, 40.5684, 20.1945



28.8796, 40.5684, 57.0158



42.8157, 40.5684, 82.1258



50.1905, 40.5684, 33.4184

Rectangle

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



34.5943, 40.5684, 20.1945



28.7518, 40.5684, 34.4432



42.8157, 40.5684, 82.1258



50.3758, 40.5684, 55.5794

Sweetspot

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



34.5953, 40.5702, 20.1954



70.3862, 76.8543, 66.9769



26.7206, 22.5298, 17.1282



15.1617, 16.6164, 14.1338



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



34.5953, 40.5702, 20.1954



60.8925, 72.7713, 29.8825



28.2575, 37.3030, 19.8987



9.1091, 9.8613, 9.0759



21.7472, 28.1212, 4.2817



0.7089, 0.8975, 0.1359

Inverse Universe

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



20.2708, 17.5056, 43.3872



31.3718, 25.2175, 77.7093



25.5583, 20.2314, 43.6346



8.1205, 8.2707, 10.6747



5.9594, 2.4080, 30.2877



0.2138, 0.0893, 0.9542

Previews

White Background



This preview shows how the XYZ color 34.5943, 40.5684, 20.1945 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 34.5943, 40.5684, 20.1945 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

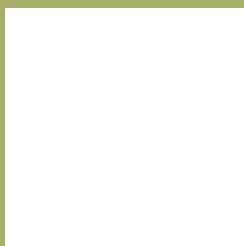
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5943, 40.5684, 20.1945

Background



This preview shows how black text looks on a background with the XYZ color 34.5943, 40.5684, 20.1945.



This preview shows how white text looks on a background with the XYZ color 34.5943, 40.5684,

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

34.5943, 40.5684, 20.1945

Protanopia

37.4141, 40.6055, 19.5014

Deuteranopia

41.1433, 40.3212, 20.6532



Tritanopia

40.4170, 40.3977, 48.8473

Trichromacy



Original Color

34.5943, 40.5684, 20.1945

Protanomaly

36.4198, 40.6520, 19.8370

Deuteranomaly

38.5553, 40.3375, 20.5057

Tritanomaly

37.8867, 40.1965, 36.3337

Monochromacy



Original Color

34.5943, 40.5684, 20.1945

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.4219, 39.0093, 32.4507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5943, 40.5684, 20.1945 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(169, 176, 108)` looks like.

```
.text, #text, p{  
    color:rgb(169, 176, 108)  
}
```

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(169, 176, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 176, 108) }
```

Border

The CSS property to change the border of an element to XYZ 34.5943, 40.5684, 20.1945 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(169, 176, 108) }
```


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

```
.border{ border-color:rgb(169, 176, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 176, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 176, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 176, 108);  
box-shadow:4px 4px 4px 4px rgb(169, 176,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5943, 40.5684, 20.1945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 176, 108) }
```

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

```
.background{ background-color: rgb(169,  
176, 108) }
```

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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