

Converting Colors

XYZ(40.1978, 51.9887, 46.7334)

Have a look what the booklet for
XYZ(40.1978, 51.9887, 46.7334)
contains.

XYZ(40.1946, 51.9151, 46.9319)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.1946, 51.9151,
46.9319)**

Conversions

Conversions Part 1

Format	Color
Hex	8ECCAC
RGB	142, 204, 172
RGB Percent	56%, 80%, 67%
CMY	0.4431, 0.2000, 0.3255
CMYK	0.30, 0.00, 0.16, 0.20
HSL	149°, 38%, 68%
HSV	149°, 30%, 80%
XYZ	40.1946, 51.9151, 46.9319
YIQ	181.8140, -26.6800, -23.0960

Conversions

Conversions Part 2

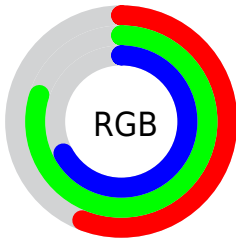
Format	Color
RYB	142, 184, 204
Decimal	9358508
CIELab	77.23, -26.55, 9.66
CIELCh	77, 28.257, 160.000
Yxy	51.9151, 0.2891, 0.3734
Android (android.graphics.Color)	4287548588 (0xFF8ECCAC)
YUV	181.8140, -4.8383, -34.9169
Hunter-Lab	72.0521, -26.5142, 11.8173

Details

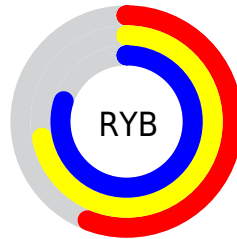
The XYZ color **40.1946, 51.9151, 46.9319** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.2166, 35.2406, 44.6235**, and the grayscale version is **44.3993, 46.7115, 50.8688**.

A 20% lighter version of the original color is **72.6511, 88.9364, 86.0104**, and **18.4163, 25.2926, 21.6806** is the 20% darker color. If you saturate the color by 10%, you get **36.0383, 49.8861, 41.6665**, and if you desaturate by 10%, it is **45.0745, 54.3107, 52.6517**.

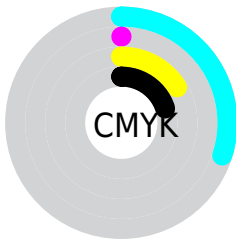
Distribution



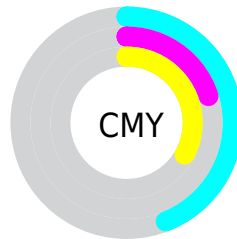
- Red (56%)
- Green (80%)
- Blue (67%)



- Red (56%)
- Yellow (72%)
- Blue (80%)



- Cyan (30%)
- Magenta (0%)
- Yellow (16%)
- Black (20%)





- Cyan (44%)
- Magenta (20%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1946, 51.9151, 46.9319 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 40.1946, 51.9151, 46.9319 by changing the saturation by 10% instead.


 40.1946, 51.9151,
46.9319


 40.1946, 51.9151,
46.9319


338.0635,
394.1088, 390.9285

 27.8752, 36.9374,
32.6279


 74.7422, 93.0060,
86.9609

 18.3716, 25.1590,
21.5727


 97.7011, 119.8880,
113.5229

 11.3184, 16.1956,
13.3480

124.9372,
151.5069, 145.0080

 6.3503, 9.6627,
7.5351

156.8159,
188.2471, 181.8347

 3.1019, 5.1759,
3.7154

193.7025,
230.4930, 224.4216

 1.2079, 2.3508,
1.4706

235.9624,

 0.1126, 0.8004,

278.6290, 273.1871

0.1959

283.9610,
333.0394, 328.5499

■ 0.0000, 0.0000,
0.0000

■ 40.1946, 51.9151,
46.9319

■ 40.1946, 51.9151,
46.9319

■ 36.0383, 49.8861,
41.6665

■ 45.0745, 54.3107,
52.6517

■ 32.5644, 48.1985,
36.8406

■ 50.7078, 57.0837,
58.8334

■ 29.7342, 46.8339,
32.4435

■ 57.1278, 60.2527,
65.4886

■ 27.5030, 45.7694,
28.4628

■ 64.3645, 63.8329,
72.6274

■ 25.8200, 44.9792,
24.8853

■ 72.4462, 67.8386,
80.2598

■ 24.6251, 44.4326,
21.6968

■ 77.8552, 70.4562,
88.2293

■ 23.8320, 44.0830,
18.9841

■ 79.4238, 71.0837,
96.4893

■ 80.8838, 71.6677,
104.1779

Harmonies

Analogous

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



42.9508, 51.9151, 36.6279



40.1946, 51.9151, 46.9319



39.7864, 51.9151, 61.8631

Triad

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



40.1946, 51.9151, 46.9319



51.1735, 51.9151, 91.2597



57.7546, 51.9151, 39.4485

Complementary

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



40.1946, 51.9151, 46.9319



42.2166, 35.2406, 44.6235

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.



60.3207, 51.9151, 51.5064



40.1946, 51.9151, 46.9319



56.3415, 51.9151, 82.5758

Square

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



40.1946, 51.9151, 46.9319



45.8687, 51.9151, 89.4215



59.7855, 51.9151, 67.3475



52.9900, 51.9151, 32.8866

Rectangle

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



40.1946, 51.9151, 46.9319



40.8672, 51.9151, 72.7806



59.7855, 51.9151, 67.3475



58.9182, 51.9151, 42.8931

Sweetspot

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



40.1960, 51.9172, 46.9331



85.2559, 95.1646, 98.7915



43.9401, 54.1436, 33.7267



17.9315, 20.2129, 20.8089



0.0000, 0.0000, 0.0000



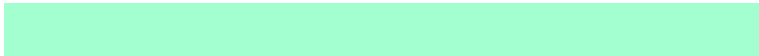
20.3446, 21.4041, 23.3091

Same Dimension

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



40.1960, 51.9172, 46.9331



62.2434, 83.8629, 72.3348



43.5255, 53.2490, 64.4657



11.2904, 12.6259, 13.0866



15.0461, 27.7638, 12.1939



0.8145, 1.4476, 0.8308

Inverse Universe

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



42.2166, 35.2406, 44.6235



66.0783, 52.2077, 67.9482



39.5368, 34.1687, 30.5119



11.4500, 11.3087, 12.9044



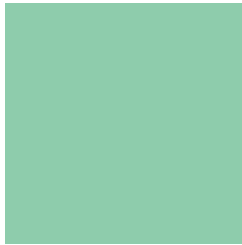
17.3352, 8.7447, 9.4839



0.9326, 0.4664, 0.6907

Previews

White Background



This preview shows how the XYZ color 40.1946, 51.9151, 46.9319 looks on a white background.

Color Contrast Check

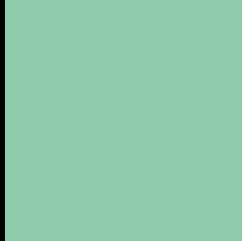
Large Text (above 18pt) WCAG AA × Fail

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 40.1946, 51.9151, 46.9319 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 40.1946, 51.9151, 46.9319

Background



This preview shows how black text looks on a background with the XYZ color 40.1946, 51.9151, 46.9319.



This preview shows how white text looks on a background with the XYZ color 40.1946, 51.9151,

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

40.1946, 51.9151, 46.9319

Protanopia

48.5423, 51.2539, 42.9319

Deuteranopia

52.2105, 51.1477, 48.1950



Tritanopia

45.0942, 51.8225, 71.2444

Trichromacy



Original Color

40.1946, 51.9151, 46.9319

Protanomaly

44.7198, 50.8757, 44.5088

Deuteranomaly

46.8622, 50.9215, 47.9164

Tritanomaly

43.1758, 51.7280, 61.7417

Monochromacy



Original Color

40.1946, 51.9151, 46.9319

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.3857, 48.2568, 49.2000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1946, 51.9151, 46.9319 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(142, 204, 172)` looks like.

```
.text, #text, p{  
    color:rgb(142, 204, 172)  
}
```

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(142, 204, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 204, 172) }
```

Border

The CSS property to change the border of an element to XYZ 40.1946, 51.9151, 46.9319 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(142, 204, 172) }
```


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

```
.border{ border-color:rgb(142, 204, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 204, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 204, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 204, 172);  
box-shadow:4px 4px 4px 4px rgb(142, 204,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1946, 51.9151, 46.9319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 204, 172) }
```

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

```
.background{ background-color: rgb(142,  
204, 172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor