

Converting Colors

XYZ(40.4809, 50.5670, 26.6983)

Have a look what the booklet for
XYZ(40.4809, 50.5670, 26.6983)
contains.

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Color

**XYZ(40.4097, 50.3895,
26.6651)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC67C
RGB	170, 198, 124
RGB Percent	67%, 78%, 49%
CMY	0.3333, 0.2235, 0.5137
CMYK	0.14, 0.00, 0.37, 0.22
HSL	83°, 39%, 63%
HSV	83°, 37%, 78%
XYZ	40.4097, 50.3895, 26.6651
YIQ	181.1920, 7.0660, -28.9500

Conversions

Conversions Part 2

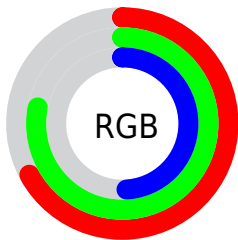
Format	Color
RYB	124, 198, 152
Decimal	11191932
CIELab	76.31, -21.91, 34.02
CIElCh	76, 40.466, 122.780
Yxy	50.3895, 0.3440, 0.4290
Android (android.graphics.Color)	4289382012 (0xFFAAC67C)
YUV	181.1920, -28.1957, -9.8154
Hunter-Lab	70.9856, -22.6107, 27.4181

Details

The XYZ color **40.4097, 50.3895, 26.6651** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.3518, 25.1694, 56.6875**, and the grayscale version is **44.1711, 46.4715, 50.6074**.

A 20% lighter version of the original color is **75.0598, 90.8631, 55.1772**, and **18.5454, 24.2228, 10.1766** is the 20% darker color. If you saturate the color by 10%, you get **37.7076, 49.1285, 20.6458**, and if you desaturate by 10%, it is **43.4581, 51.8031, 34.0150**.

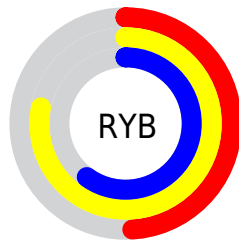
Distribution



Red (67%)

Green (78%)

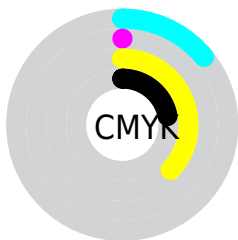
Blue (49%)



Red (49%)

Yellow (78%)

Blue (60%)

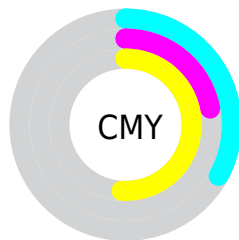


Cyan (14%)

Magenta (0%)

Yellow (37%)

Black (22%)



Cyan (33%)


Magenta (22%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4097, 50.3895, 26.6651 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 40.4097, 50.3895, 26.6651 by changing the saturation by 10% instead.


 40.4097, 50.3895,
26.6651


 40.4097, 50.3895,
26.6651


338.9523,
388.1872, 299.7406


 28.0438, 35.7230,
17.0917


 75.0674, 90.7517,
55.3432

 18.4993, 24.2203,
10.1372


 98.0898, 117.2162,
75.2849

 11.4109, 15.4971,
5.3832


 125.3951,
148.3821, 99.5198

 6.4132, 9.1690,
2.4112

157.3487,
184.6339, 128.4664

 3.1410, 4.8516,
0.7925

194.3158,
226.3559, 162.5432

 1.2287, 2.1605,
0.0000

236.6619,

 0.1289, 0.6983,

273.9325, 202.1688

0.0000

284.7522,
327.7481, 247.7618

■ 0.0000, 0.0000,
0.0000

■ 40.4097, 50.3895,
26.6651

■ 40.4097, 50.3895,
26.6651

■ 37.7076, 49.1285,
20.6458

■ 43.4581, 51.8031,
34.0150

■ 35.3314, 48.0067,
15.8742

■ 46.8645, 53.3690,
42.7655

■ 33.2640, 47.0187,
12.2629


■ 50.6443, 55.0953,
52.9855


■ 31.4848, 46.1561,
9.7121


■ 54.8111, 56.9875,
64.7383


■ 29.9701, 45.4093,
8.1050


■ 59.3775, 59.0509,
78.0837


 28.6871, 44.7649,
7.2778

 64.3556, 61.2905,
93.0781

 28.3741, 44.6068,
7.1145

 68.5080, 63.2114,
103.1980

 70.8607, 64.4243,
103.3081

 73.3167, 65.6904,
103.4231

Harmonies

Analogous

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



47.1885, 50.3895, 22.7814



40.4097, 50.3895, 26.6651



36.0388, 50.3895, 37.8626

Triad

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



40.4097, 50.3895, 26.6651



41.5156, 50.3895, 101.1304



64.0225, 50.3895, 52.8610

Complementary

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



40.4097, 50.3895, 26.6651



30.3518, 25.1694, 56.6875

Split Complementary

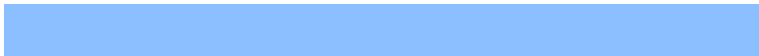
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.0991, 50.3895, 76.3215



40.4097, 50.3895, 26.6651



48.6059, 50.3895, 108.1819

Square

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



40.4097, 50.3895, 26.6651



36.6283, 50.3895, 80.7863



56.2490, 50.3895, 98.1099



61.2603, 50.3895, 35.1832

Rectangle

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



40.4097, 50.3895, 26.6651



34.8101, 50.3895, 49.7718



56.2490, 50.3895, 98.1099



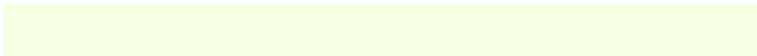
63.9029, 50.3895, 60.2955

Sweetspot

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



40.4110, 50.3917, 26.6662



87.0602, 96.3653, 86.6487



38.0168, 35.6389, 23.9448



18.4363, 20.5357, 18.0094



0.0000, 0.0000, 0.0000



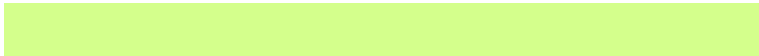
20.3446, 21.4041, 23.3091

Same Dimension

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



40.4110, 50.3917, 26.6662



67.5411, 87.3548, 38.2091



33.6441, 46.9033, 26.3495



11.1200, 12.2088, 11.3332



18.5490, 29.0576, 4.6311



0.9569, 1.4164, 0.2230

Inverse Universe

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



30.3518, 25.1694, 56.6875



47.1541, 36.1996, 99.1097



38.1745, 29.2022, 57.0536



10.4297, 10.4798, 13.3906



8.6004, 3.6679, 34.9990



0.4875, 0.2150, 1.6610

Previews

White Background



This preview shows how the XYZ color 40.4097, 50.3895, 26.6651 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 40.4097, 50.3895, 26.6651 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 40.4097, 50.3895, 26.6651

Background



This preview shows how black text looks on a background with the XYZ color 40.4097, 50.3895, 26.6651.



This preview shows how white text looks on a background with the XYZ color 40.4097, 50.3895,

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

40.4097, 50.3895, 26.6651

Protanopia

46.2752, 50.1599, 25.0122

Deuteranopia

51.2689, 50.2086, 27.4111



Tritanopia

47.8188, 50.1020, 63.6502

Trichromacy



Original Color

40.4097, 50.3895, 26.6651

Protanomaly

44.0391, 50.2862, 25.4743

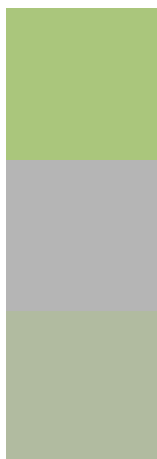
Deuteranomaly

46.7779, 50.0521, 27.2742

Tritanomaly

44.6211, 50.1024, 47.3633

Monochromacy



Original Color

40.4097, 50.3895, 26.6651

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.2469, 47.4258, 40.1852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4097, 50.3895, 26.6651 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(170, 198, 124)` looks like.

```
.text, #text, p{  
    color:rgb(170, 198, 124)  
}
```

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(170, 198, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 198, 124) }
```

Border

The CSS property to change the border of an element to XYZ 40.4097, 50.3895, 26.6651 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(170, 198, 124) }
```


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

```
.border{ border-color:rgb(170, 198, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 198, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 198, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 198, 124);  
box-shadow:4px 4px 4px 4px rgb(170, 198,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4097, 50.3895, 26.6651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 198, 124) }
```

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

```
.background{ background-color: rgb(170,  
198, 124) }
```

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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