

Converting Colors

XYZ(40.1877, 61.8280, 50.5404)

Have a look what the booklet for
XYZ(40.1877, 61.8280, 50.5404)
contains.

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Color

**XYZ(40.1545, 61.8126,
50.3721)**

Conversions

Conversions Part 1

Format	Color
Hex	59E6AF
RGB	89, 230, 175
RGB Percent	35%, 90%, 69%
CMY	0.6510, 0.0980, 0.3137
CMYK	0.61, 0.00, 0.24, 0.10
HSL	157°, 74%, 63%
HSV	157°, 61%, 90%
XYZ	40.1545, 61.8126, 50.3721
YIQ	181.5710, -66.3810, -46.9970

Conversions

Conversions Part 2

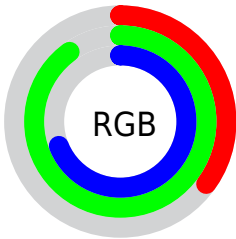
Format	Color
RYB	89, 177, 230
Decimal	5891759
CIELab	82.81, -50.74, 15.69
CIELCh	83, 53.114, 162.822
Yxy	61.8126, 0.2636, 0.4058
Android (android.graphics.Color)	4284081839 (0xFF59E6AF)
YUV	181.5710, -3.2395, -81.1848
Hunter-Lab	78.6210, -46.4205, 17.0479

Details

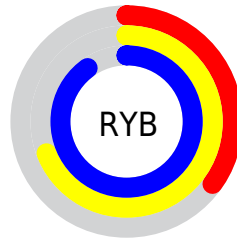
The XYZ color **40.1545, 61.8126, 50.3721** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **41.2416, 25.9829, 29.2295**, and the grayscale version is **44.2746, 46.5803, 50.7260**.

A 20% lighter version of the original color is **62.9463, 83.8688, 88.4720**, and **18.4564, 31.2923, 23.4796** is the 20% darker color. If you saturate the color by 10%, you get **37.4306, 60.5084, 45.7973**, and if you desaturate by 10%, it is **43.6296, 63.5004, 55.2905**.

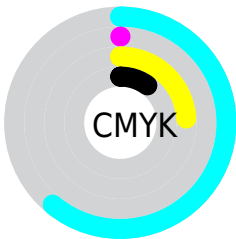
Distribution



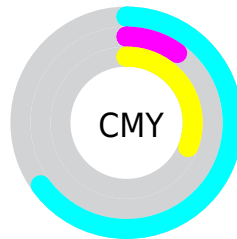
- Red (35%)
- Green (90%)
- Blue (69%)



- Red (35%)
- Yellow (69%)
- Blue (90%)



- Cyan (61%)
- Magenta (0%)
- Yellow (24%)
- Black (10%)





- Cyan (65%)
- Magenta (10%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1545, 61.8126, 50.3721 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 40.1545, 61.8126, 50.3721 by changing the saturation by 10% instead.


 40.1545, 61.8126,
50.3721


 40.1545, 61.8126,
50.3721


337.8976,
431.2472, 404.8960


 27.8438, 44.8813,
35.3359


 74.6816, 107.4546,
92.1279


 18.3478, 31.3639,
23.6361


 97.6286, 136.9342,
119.6846

 11.3012, 20.8761,
14.8542


 124.8518,
171.3652, 152.2519

 6.3386, 13.0335,
8.5716

 156.7165,
211.1322, 190.2483

 3.0946, 7.4516,
4.3699

193.5881,
256.6195, 234.0924

 1.2040, 3.7461,
1.8304

235.8319,

 0.1095, 1.5326,

308.2115, 284.2027

0.4479

283.8133,
366.2926, 340.9977

■ 0.0000, 0.3115,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.1545, 61.8126,
50.3721

■ 40.1545, 61.8126,
50.3721

■ 37.4306, 60.5084,
45.7973

■ 43.6296, 63.5004,
55.2905

■ 35.3850, 59.5458,
41.5527


■ 47.9100, 65.5949,
60.5566


■ 33.9385, 58.8854,
37.6298


■ 53.0505, 68.1258,
66.1800


■ 33.0524, 58.4976,
34.4696


■ 59.0994, 71.1179,
72.1683

 66.1014, 74.5940,
78.5289

 74.0982, 78.5756,
85.2689

 83.1289, 83.0827,
92.3953

 86.2923, 84.5575,
99.5900

 87.5879, 85.0758,
106.4126

Harmonies

Analogous

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



45.0416, 61.8126, 30.8864



40.1545, 61.8126, 50.3721



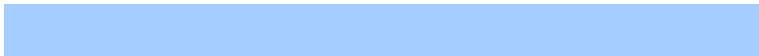
39.8200, 61.8126, 82.2623

Triad

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



40.1545, 61.8126, 50.3721



63.7652, 61.8126, 149.2295



76.3916, 61.8126, 32.9429

Complementary

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



40.1545, 61.8126, 50.3721



41.2416, 25.9829, 29.2295

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.



82.8939, 61.8126, 54.2777



40.1545, 61.8126, 50.3721



74.9932, 61.8126, 124.8350

Square

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



40.1545, 61.8126, 50.3721



52.4959, 61.8126, 147.1342



82.3512, 61.8126, 87.6581



65.4843, 61.8126, 23.2981

Rectangle

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



40.1545, 61.8126, 50.3721



42.1485, 61.8126, 107.5138



82.3512, 61.8126, 87.6581



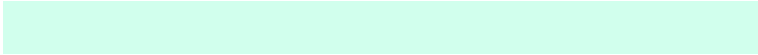
79.2247, 61.8126, 38.6245

Sweetspot

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



40.1562, 61.8151, 50.3735



77.3828, 91.2099, 93.7204



41.8496, 63.3736, 19.4787



16.0340, 19.2603, 19.5663



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.



40.1562, 61.8151, 50.3735



46.4077, 76.0410, 56.1582



42.9349, 56.8999, 83.5857



14.5568, 16.2361, 17.1968



18.7734, 33.1415, 19.8388



1.4325, 2.4671, 1.7043

Inverse Universe

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



41.2416, 25.9829, 29.2295



47.9327, 27.0823, 27.4768



39.2983, 27.2662, 12.6437



14.6086, 14.4606, 16.1393



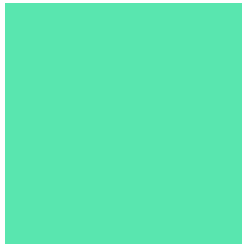
19.5689, 9.9618, 6.6247



1.4906, 0.7539, 0.7239

Previews

White Background



This preview shows how the XYZ color 40.1545, 61.8126, 50.3721 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 40.1545, 61.8126, 50.3721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

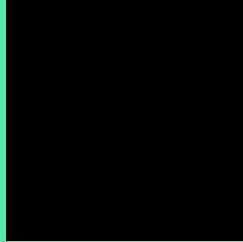
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1545, 61.8126, 50.3721

Background



This preview shows how black text looks on a background with the XYZ color 40.1545, 61.8126, 50.3721.

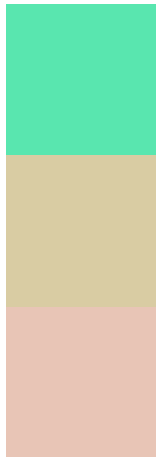


This preview shows how white text looks on a background with the XYZ color 40.1545, 61.8126,

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

40.1545, 61.8126, 50.3721

Protanopia

56.8190, 60.5818, 43.3491

Deuteranopia

61.6885, 60.4657, 52.6757



Tritanopia

48.1185, 61.3896, 90.9746

Trichromacy



Original Color

40.1545, 61.8126, 50.3721



Protanomaly

47.3469, 58.9246, 45.4374



Deuteranomaly

49.7595, 58.5589, 51.3282



Tritanomaly

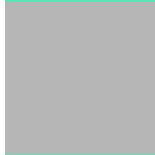
44.7592, 61.2122, 74.4218

Monochromacy



Original Color

40.1545, 61.8126, 50.3721



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

40.7728, 50.3974, 50.2265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1545, 61.8126, 50.3721 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(89, 230, 175)` looks like.

```
.text, #text, p{  
    color:rgb(89, 230, 175)  
}
```

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(89, 230, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 230, 175) }
```

Border

The CSS property to change the border of an element to XYZ 40.1545, 61.8126, 50.3721 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(89, 230, 175) }
```


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

```
.border{ border-color:rgb(89, 230, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 230, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 230, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 230, 175);  
box-shadow:4px 4px 4px 4px rgb(89, 230,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1545, 61.8126, 50.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 230, 175) }
```

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

```
.background{ background-color: rgb(89, 230,  
175) }
```

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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