

Converting Colors

XYZ(40.2791, 59.5180, 46.4110)

Have a look what the booklet for
XYZ(40.2791, 59.5180, 46.4110)
contains.

XYZ(40.2791, 59.5180, 46.4110)	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(40.2791, 59.5180,
46.4110)**

Conversions

Conversions Part 1

Format	Color
Hex	6FE0A8
RGB	111, 224, 168
RGB Percent	44%, 88%, 66%
CMY	0.5647, 0.1216, 0.3412
CMYK	0.50, 0.00, 0.25, 0.12
HSL	150°, 65%, 66%
HSV	150°, 50%, 88%
XYZ	40.2791, 59.5180, 46.4110
YIQ	183.8290, -49.3720, -41.3720

Conversions

Conversions Part 2

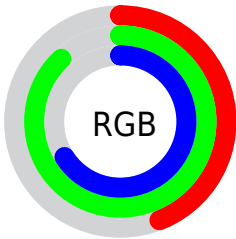
Format	Color
RYB	111, 186, 224
Decimal	7332008
CIELab	81.58, -45.02, 17.72
CIELCh	82, 48.381, 158.518
Yxy	59.5180, 0.2755, 0.4071
Android (android.graphics.Color)	4285522088 (0xFF6FE0A8)
YUV	183.8290, -7.8037, -63.8710
Hunter-Lab	77.1479, -41.8136, 18.3356

Details

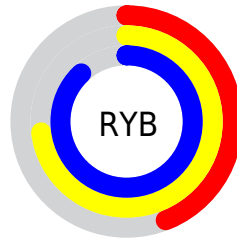
The XYZ color **40.2791, 59.5180, 46.4110** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.4019, 30.0076, 40.0659**, and the grayscale version is **45.5281, 47.8991, 52.1622**.

A 20% lighter version of the original color is **65.4415, 85.2827, 82.8241**, and **18.4216, 29.9192, 21.3271** is the 20% darker color. If you saturate the color by 10%, you get **36.8158, 57.8487, 41.0794**, and if you desaturate by 10%, it is **44.5405, 61.5918, 52.2435**.

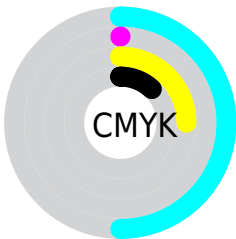
Distribution



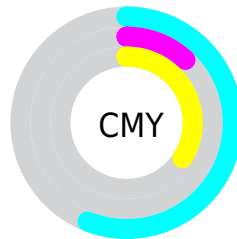
- Red (44%)
- Green (88%)
- Blue (66%)



- Red (44%)
- Yellow (73%)
- Blue (88%)



- Cyan (50%)
- Magenta (0%)
- Yellow (25%)
- Black (12%)





- Cyan (56%)
- Magenta (12%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2791, 59.5180, 46.4110 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 40.2791, 59.5180, 46.4110 by changing the saturation by 10% instead.

 40.2791, 59.5180,
46.4110


 40.2791, 59.5180,
46.4110


338.4128,
422.8188, 388.7840


 27.9414, 43.0302,
32.2193


 74.8700, 104.1301,
86.1745

 18.4217, 29.9088,
21.2628


 97.8539, 133.0233,
112.5834

 11.3547, 19.7694,
13.1231


 125.1172,
166.8205, 143.9017

 6.3750, 12.2275,
7.3817

157.0253,
205.9059, 180.5480

 3.1172, 6.8988,
3.6199

193.9436,
250.6641, 222.9409

 1.2161, 3.3989,
1.4192

236.2373,

 0.1190, 1.3434,

301.4793, 271.4988

0.1566

284.2720,
358.7361, 326.6403

■ 0.0000, 0.1744,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.2791, 59.5180,
46.4110

■ 40.2791, 59.5180,
46.4110

■ 36.8158, 57.8487,
41.0794

■ 44.5405, 61.5918,
52.2435

■ 34.0898, 56.5479,
36.2305


■ 49.6457, 64.0885,
58.5863


■ 32.0389, 55.5854,
31.8508


■ 55.6423, 67.0341,
65.4535


■ 30.5872, 54.9224,
27.9243


■ 62.5730, 70.4503,
72.8575

 29.6369, 54.5056,
24.5786

 70.4776, 74.3574,
80.8101

 79.3935, 78.7746,
89.3228

 84.4870, 81.2096,
98.1788

 85.9468, 81.7935,
105.8656

Harmonies

Analogous

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



45.2625, 59.5180, 30.1649



40.2791, 59.5180, 46.4110



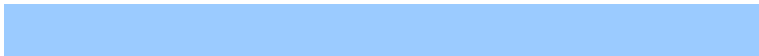
39.3763, 59.5180, 73.4445

Triad

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



40.2791, 59.5180, 46.4110



59.5114, 59.5180, 137.3153



73.2604, 59.5180, 35.8497

Complementary

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



40.2791, 59.5180, 46.4110



43.4019, 30.0076, 40.0659

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.



78.1567, 59.5180, 56.8710



40.2791, 59.5180, 46.4110



69.6196, 59.5180, 119.1308

Square

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



40.2791, 59.5180, 46.4110



49.7179, 59.5180, 131.9959



76.7501, 59.5180, 87.5115



64.0246, 59.5180, 25.4592

Rectangle

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



40.2791, 59.5180, 46.4110



41.0919, 59.5180, 95.3317



76.7501, 59.5180, 87.5115



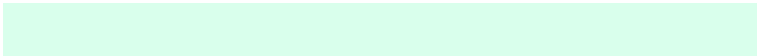
75.5158, 59.5180, 41.6086

Sweetspot

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



40.2807, 59.5204, 46.4124



79.4477, 92.2921, 93.0171



45.5690, 62.7317, 24.7463



16.5868, 19.5482, 19.4605



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.



40.2807, 59.5204, 46.4124



48.9819, 77.4089, 54.4327



46.6677, 62.0752, 80.0460



13.8158, 15.4520, 16.0651



17.3083, 31.7482, 14.6124



1.2449, 2.2187, 1.2509

Inverse Universe

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



43.4019, 30.0076, 40.0659



53.6345, 33.4251, 44.9790



39.2958, 28.3651, 18.4436



13.9890, 13.8132, 15.7124



19.6216, 9.9156, 9.9391



1.4052, 0.7054, 0.9268

Previews

White Background



This preview shows how the XYZ color 40.2791, 59.5180, 46.4110 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 40.2791, 59.5180, 46.4110 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 40.2791, 59.5180, 46.4110

Background



This preview shows how black text looks on a background with the XYZ color 40.2791, 59.5180, 46.4110.

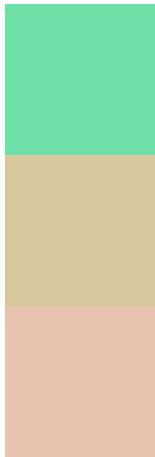


This preview shows how white text looks on a background with the XYZ color 40.2791, 59.5180,

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

40.2791, 59.5180, 46.4110

Protanopia

54.9968, 58.6547, 40.3211

Deuteranopia

59.6628, 58.5017, 48.7048



Tritanopia

48.0617, 59.1512, 85.9750

Trichromacy



Original Color

40.2791, 59.5180, 46.4110



Protanomaly

47.3649, 57.5212, 42.3245



Deuteranomaly

49.7712, 57.2060, 47.4484



Tritanomaly

44.6061, 58.8838, 69.3363

Monochromacy



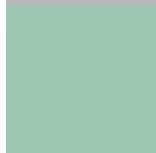
Original Color

40.2791, 59.5180, 46.4110



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.3639, 51.2293, 49.7749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2791, 59.5180, 46.4110 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(111, 224, 168)` looks like.

```
.text, #text, p{  
    color:rgb(111, 224, 168)  
}
```

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(111, 224, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 224, 168) }
```

Border

The CSS property to change the border of an element to XYZ 40.2791, 59.5180, 46.4110 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(111, 224, 168) }
```


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

```
.border{ border-color:rgb(111, 224, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 224, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 224, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 224, 168);  
box-shadow:4px 4px 4px 4px rgb(111, 224,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2791, 59.5180, 46.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 224, 168) }
```

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

```
.background{ background-color: rgb(111,  
224, 168) }
```

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