

Converting Colors

XYZ(42.0059, 50.7780, 35.5098)

Have a look what the booklet for
XYZ(42.0059, 50.7780, 35.5098)
contains.

XYZ(41.8891, 50.6167, 35.5792) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(41.8891, 50.6167,
35.5792)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC594
RGB	170, 197, 148
RGB Percent	67%, 77%, 58%
CMY	0.3333, 0.2274, 0.4196
CMYK	0.14, 0.00, 0.25, 0.23
HSL	93°, 30%, 68%
HSV	93°, 25%, 77%
XYZ	41.8891, 50.6167, 35.5792
YIQ	183.3410, -0.3630, -20.9630

Conversions

Conversions Part 2

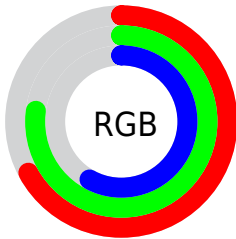
Format	Color
RYB	148, 197, 175
Decimal	11191700
CIELab	76.45, -17.97, 21.63
CIELCh	76, 28.126, 129.718
Yxy	50.6167, 0.3270, 0.3952
Android (android.graphics.Color)	4289381780 (0xFFAAC594)
YUV	183.3410, -17.4231, -11.7001
Hunter-Lab	71.1454, -19.4070, 20.1514

Details

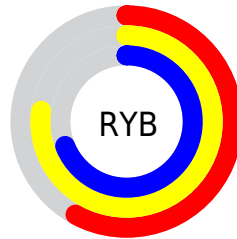
The XYZ color **41.8891, 50.6167, 35.5792** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.3493, 34.3265, 57.4306**, and the grayscale version is **45.2910, 47.6497, 51.8905**.

A 20% lighter version of the original color is **77.4665, 91.3166, 69.4201**, and **19.3162, 24.2899, 14.9796** is the 20% darker color. If you saturate the color by 10%, you get **38.2101, 48.8867, 27.9484**, and if you desaturate by 10%, it is **46.0300, 52.5572, 44.6190**.

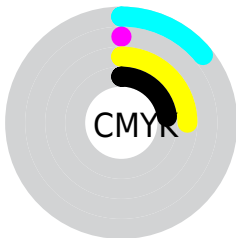
Distribution



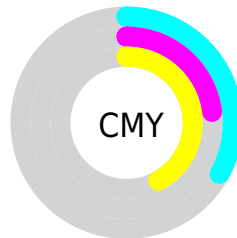
- Red (67%)
- Green (77%)
- Blue (58%)



- Red (58%)
- Yellow (77%)
- Blue (69%)



- Cyan (14%)
- Magenta (0%)
- Yellow (25%)
- Black (23%)





- Cyan (33%)
- Magenta (23%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8891, 50.6167, 35.5792 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 41.8891, 50.6167, 35.5792 by changing the saturation by 10% instead.

 41.8891, 50.6167,
35.5792


 41.8891, 50.6167,
35.5792


345.0225,
389.0727, 342.0992

 29.2052, 35.9037,
23.8223


 77.2980, 91.0879,
69.5438

 19.3812, 24.3598,
14.9908

 100.7536,
117.6149, 92.5885

 12.0517, 15.6007,
8.6664


128.5306,
148.8487, 120.2329

 6.8513, 9.2421,
4.4304

160.9943,
185.1736, 152.8956

 3.4148, 4.8994,
1.8643

198.5099,
226.9741, 190.9950

 1.3767, 2.1884,
0.4699

241.4429,

 0.2395, 0.7136,

274.6345, 234.9497

0.0000

290.1586,
328.5392, 285.1782

■ 0.0000, 0.0000,
0.0000

■ 41.8891, 50.6167,
35.5792

■ 41.8891, 50.6167,
35.5792

■ 38.2101, 48.8867,
27.9484

■ 46.0300, 52.5572,
44.6190

■ 34.9710, 47.3529,
21.6525

■ 50.6458, 54.7088,
55.1306

■ 32.1537, 46.0091,
16.6153

■ 55.7540, 57.0808,
67.1768

■ 29.7369, 44.8462,
12.7517

■ 61.3697, 59.6798,
80.8159

■ 27.6974, 43.8543,
9.9662

■ 67.5075, 62.5119,
96.1030

■ 26.0086, 43.0222,
8.1482

■ 72.3241, 64.8404,
103.3113

■ 24.6393, 42.3367,
7.1632

■ 76.0217, 66.7466,
103.4843

■ 24.0336, 42.0309,
6.8461

■ 79.2573, 68.4146,
103.6358

Harmonies

Analogous

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



46.4105, 50.6167, 31.0675



41.8891, 50.6167, 35.5792



39.1727, 50.6167, 45.6053

Triad

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



41.8891, 50.6167, 35.5792



44.6639, 50.6167, 87.2594



58.8656, 50.6167, 50.3336

Complementary

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



41.8891, 50.6167, 35.5792



38.3493, 34.3265, 57.4306

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.



58.3120, 50.6167, 65.8580



41.8891, 50.6167, 35.5792



49.8498, 50.6167, 89.1618

Square

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



41.8891, 50.6167, 35.5792



40.6913, 50.6167, 75.9377



54.9174, 50.6167, 80.7391



56.3789, 50.6167, 38.4927

Rectangle

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



41.8891, 50.6167, 35.5792



38.6246, 50.6167, 54.9693



54.9174, 50.6167, 80.7391



59.0328, 50.6167, 55.2569

Sweetspot

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



41.8904, 50.6189, 35.5803



88.7812, 97.0851, 94.2957



43.6935, 44.6509, 34.3333



18.8916, 20.7284, 19.9275



0.0000, 0.0000, 0.0000



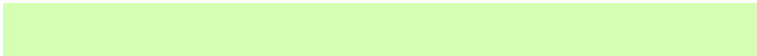
20.3446, 21.4041, 23.3091

Same Dimension

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



41.8904, 50.6189, 35.5803



71.2412, 88.8771, 55.7834



37.7219, 48.4473, 36.4085



10.9420, 12.1170, 11.3249



15.9005, 27.6923, 4.5071



0.8360, 1.3541, 0.2173

Inverse Universe

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



38.3493, 34.3265, 57.4306



63.7846, 54.5785, 101.7806



43.4174, 36.9713, 56.2139



10.6061, 10.5707, 13.3988



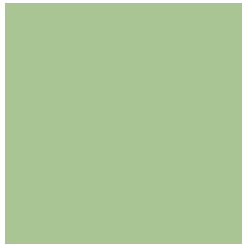
10.8389, 4.8219, 35.1038



0.5958, 0.2709, 1.6660

Previews

White Background



This preview shows how the XYZ color 41.8891, 50.6167, 35.5792 looks on a white background.

Color Contrast Check

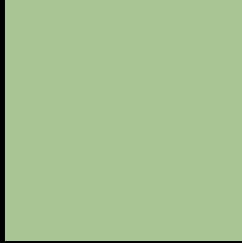
Large Text (above 18pt) WCAG AA × Fail

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 41.8891, 50.6167, 35.5792 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 41.8891, 50.6167, 35.5792

Background



This preview shows how black text looks on a background with the XYZ color 41.8891, 50.6167, 35.5792.



This preview shows how white text looks on a background with the XYZ color 41.8891, 50.6167,

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

41.8891, 50.6167, 35.5792

Protanopia

47.1047, 50.3976, 33.6306

Deuteranopia

51.3232, 50.3422, 36.2901



Tritanopia

48.0233, 50.8184, 65.0354

Trichromacy



Original Color

41.8891, 50.6167, 35.5792

Protanomaly

44.9768, 50.2531, 34.1173

Deuteranomaly

47.3627, 50.1602, 36.0398

Tritanomaly

45.6262, 50.8307, 52.7540

Monochromacy



Original Color

41.8891, 50.6167, 35.5792

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.5990, 48.3337, 45.0616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8891, 50.6167, 35.5792 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, 197, 148)` looks like.

```
.text, #text, p{  
    color:rgb(170, 197, 148)  
}
```

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, 197, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 197, 148) }
```

Border

The CSS property to change the border of an element to XYZ 41.8891, 50.6167, 35.5792 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, 197, 148) }
```


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

```
.border{ border-color:rgb(170, 197, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 197, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 197, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 197, 148);  
box-shadow:4px 4px 4px 4px rgb(170, 197,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8891, 50.6167, 35.5792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 197, 148) }
```

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

```
.background{ background-color: rgb(170,  
197, 148) }
```

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