

Converting Colors

XYZ(45.4193, 62.7010, 40.7190)

Have a look what the booklet for
XYZ(45.4193, 62.7010, 40.7190)
contains.

XYZ(45.4193, 62.7010, 40.7190)	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(45.4193, 62.7010,
40.7190)**

Conversions

Conversions Part 1

Format	Color
Hex	96E19B
RGB	150, 225, 155
RGB Percent	59%, 88%, 61%
CMY	0.4118, 0.1176, 0.3921
CMYK	0.33, 0.00, 0.31, 0.12
HSL	124°, 56%, 74%
HSV	124°, 33%, 88%
XYZ	45.4193, 62.7010, 40.7190
YIQ	194.5950, -22.2300, -37.6700

Conversions

Conversions Part 2

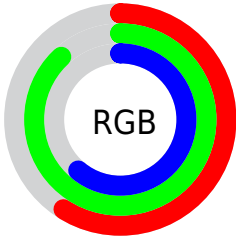
Format	Color
RYB	150, 220, 225
Decimal	9888155
CIELab	83.28, -37.05, 27.09
CIELCh	83, 45.894, 143.827
Yxy	62.7010, 0.3052, 0.4213
Android (android.graphics.Color)	4288078235 (0xFF96E19B)
YUV	194.5950, -19.5203, -39.1098
Hunter-Lab	79.1840, -36.1857, 24.9399

Details

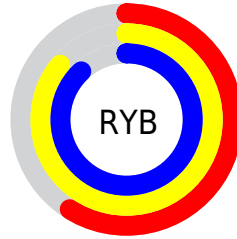
The XYZ color **45.4193, 62.7010, 40.7190** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.8780, 42.9889, 73.1179**, and the grayscale version is **51.7540, 54.4493, 59.2952**.

A 20% lighter version of the original color is **72.8465, 89.2950, 74.3690**, and **21.4600, 31.8420, 17.8470** is the 20% darker color. If you saturate the color by 10%, you get **40.0568, 60.1247, 32.0490**, and if you desaturate by 10%, it is **51.8867, 65.8151, 51.0444**.

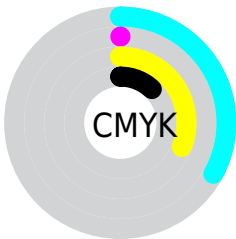
Distribution



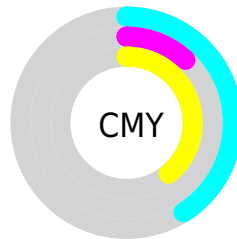
- Red (59%)
- Green (88%)
- Blue (61%)



- Red (59%)
- Yellow (86%)
- Blue (88%)



- Cyan (33%)
- Magenta (0%)
- Yellow (31%)
- Black (12%)





- Cyan (41%)
- Magenta (12%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4193, 62.7010, 40.7190 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 45.4193, 62.7010, 40.7190 by changing the saturation by 10% instead.


 45.4193, 62.7010,
40.7190


 45.4193, 62.7010,
40.7190


359.2243,
434.4835, 364.7866

 31.9905, 45.5994,
27.7815


 82.5825, 108.7380,
77.5062

 21.5098, 31.9298,
17.9234


 107.0475,
138.4422, 102.1930

 13.6117, 21.3079,
10.7262


135.9221,
173.1160, 131.6333

 7.9310, 13.3492,
5.7712

169.5714,
213.1439, 166.2457

 4.1023, 7.6695,
2.6399

208.3610,
258.9102, 206.4486

 1.7601, 3.8842,
0.9130

252.6561,

 0.4935, 1.6090,

310.7993, 252.6608

0.0000

302.8221,
369.1956, 305.3006

0.0000, 0.3636,
0.0000

0.0000, 0.0000,
0.0000

45.4193, 62.7010,
40.7190

45.4193, 62.7010,
40.7190

40.0568, 60.1247,
32.0490

51.8867, 65.8151,
51.0444

35.7329, 58.0484,
24.9445

59.5110, 69.4866,
63.1006

32.3816, 56.4419,
19.3133

68.3466, 73.7438,
76.9633

29.9273, 55.2684,
15.0520

78.4431, 78.6108,
92.7027

■ 28.2832, 54.4858,
12.0439

■ 86.2164, 82.3329,
105.9555

■ 27.3452, 54.0431,
10.1526

■ 27.0127, 53.8874,
9.4296

Harmonies

Analogous

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



52.1807, 62.7010, 29.3522



45.4193, 62.7010, 40.7190



42.4935, 62.7010, 62.5346

Triad

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



45.4193, 62.7010, 40.7190



57.5573, 62.7010, 138.7072



78.9114, 62.7010, 48.4041

Complementary

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



45.4193, 62.7010, 40.7190



54.8780, 42.9889, 73.1179

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.



80.7620, 62.7010, 74.3474



45.4193, 62.7010, 40.7190



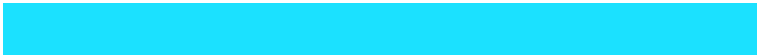
67.6813, 62.7010, 131.8276

Square

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



45.4193, 62.7010, 40.7190



48.9800, 62.7010, 122.8817



76.4512, 62.7010, 106.0796



71.6434, 62.7010, 32.8459

Rectangle

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



45.4193, 62.7010, 40.7190



42.8492, 62.7010, 82.2525



76.4512, 62.7010, 106.0796



80.2190, 62.7010, 55.9706

Sweetspot

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



45.4209, 62.7036, 40.7204



82.6850, 94.0412, 89.5435



61.9480, 71.2712, 39.3464



17.3547, 19.9633, 18.6265



0.0000, 0.0000, 0.0000



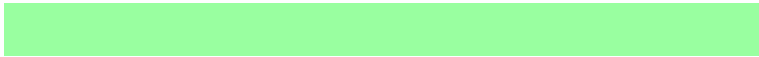
20.3446, 21.4041, 23.3091

Same Dimension

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



45.4209, 62.7036, 40.7204



55.2246, 80.8234, 45.8563



49.0746, 64.1651, 59.9605



13.5657, 15.3520, 14.7480



15.5803, 31.0570, 5.5127



1.0931, 2.1580, 0.4517

Inverse Universe

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



54.8780, 42.9889, 73.1179



69.6054, 50.8321, 95.1119



50.4548, 41.2196, 49.8258



14.2535, 13.9190, 17.1051



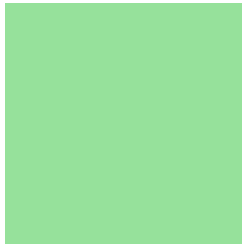
24.6138, 11.9125, 36.2275



1.7181, 0.8305, 2.5746

Previews

White Background



This preview shows how the XYZ color 45.4193, 62.7010, 40.7190 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 45.4193, 62.7010, 40.7190 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 45.4193, 62.7010, 40.7190

Background



This preview shows how black text looks on a background with the XYZ color 45.4193, 62.7010, 40.7190.



This preview shows how white text looks on a background with the XYZ color 45.4193, 62.7010,

40.7190.

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

45.4193, 62.7010, 40.7190

Protanopia

57.7692, 61.9372, 36.5141

Deuteranopia

63.2451, 61.8386, 42.3209



Tritanopia

54.3830, 62.4264, 85.5271

Trichromacy



Original Color

45.4193, 62.7010, 40.7190



Protanomaly

52.0642, 61.5263, 37.9858



Deuteranomaly

55.1084, 61.1703, 41.7034



Tritanomaly

50.7278, 62.4963, 66.5161

Monochromacy



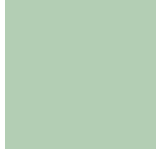
Original Color

45.4193, 62.7010, 40.7190



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

48.8999, 57.0216, 51.6090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4193, 62.7010, 40.7190 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(150, 225, 155)` looks like.

```
.text, #text, p{  
    color:rgb(150, 225, 155)  
}
```

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(150, 225, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 225, 155) }
```

Border

The CSS property to change the border of an element to XYZ 45.4193, 62.7010, 40.7190 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(150, 225, 155) }
```


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

```
.border{ border-color:rgb(150, 225, 155) }
```

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

Here you see how a box with a 4 pixel rgb(150, 225, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 225, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 225, 155);  
box-shadow:4px 4px 4px 4px rgb(150, 225,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4193, 62.7010, 40.7190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 225, 155) }
```

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

```
.background{ background-color: rgb(150,  
225, 155) }
```

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