

Converting Colors

XYZ(41.5814, 63.3617, 61.3673)

Have a look what the booklet for
XYZ(41.5814, 63.3617, 61.3673)
contains.

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Color

**XYZ(41.6242, 63.5893,
61.1191)**

Conversions

Conversions Part 1

Format	Color
Hex	49E9C2
RGB	73, 233, 194
RGB Percent	29%, 91%, 76%
CMY	0.7137, 0.0863, 0.2392
CMYK	0.69, 0.00, 0.17, 0.09
HSL	165°, 78%, 60%
HSV	165°, 69%, 91%
XYZ	41.6242, 63.5893, 61.1191
YIQ	180.7140, -82.8410, -46.0490

Conversions

Conversions Part 2

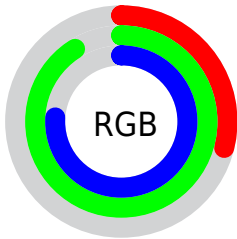
Format	Color
RYB	73, 164, 233
Decimal	4843970
CIELab	83.75, -50.26, 7.00
CIELCh	84, 50.750, 172.068
Yxy	63.5893, 0.2502, 0.3823
Android (android.graphics.Color)	4283034050 (0xFF49E9C2)
YUV	180.7140, 6.5500, -94.4652
Hunter-Lab	79.7429, -46.3766, 10.3771

Details

The XYZ color **41.6242, 63.5893, 61.1191** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **38.9136, 23.2603, 17.7706**, and the grayscale version is **43.7663, 46.0456, 50.1436**.

A 20% lighter version of the original color is **63.8305, 83.9976, 103.2914**, and **20.2590, 32.9441, 30.1020** is the 20% darker color. If you saturate the color by 10%, you get **39.5528, 62.5953, 57.7566**, and if you desaturate by 10%, it is **44.3844, 64.9387, 64.6439**.

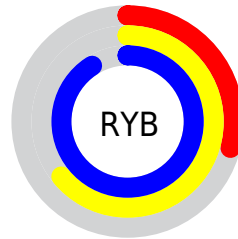
Distribution



Red (29%)

Green (91%)

Blue (76%)



Red (29%)

Yellow (64%)

Blue (91%)

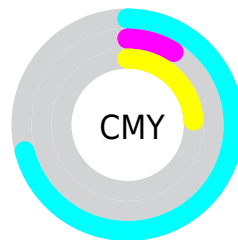


Cyan (69%)

Magenta (0%)

Yellow (17%)

Black (9%)



Cyan (71%)


Magenta (9%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6242, 63.5893, 61.1191 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 41.6242, 63.5893, 61.1191 by changing the saturation by 10% instead.


 41.6242, 63.5893,
61.1191


 41.6242, 63.5893,
61.1191

343.9409,
437.7050, 446.6292


 28.9970, 46.3181,
43.8901


 76.8993, 110.0192,
108.0106


 19.2228, 32.4969,
30.2476


 100.2779,
139.9468, 138.5101

 11.9363, 21.7413,
19.7729

 127.9709,
174.8619, 174.2703

 6.7722, 13.6670,
12.0477

 160.3438,
215.1490, 215.7096

 3.3651, 7.8894,
6.6532

197.7619,
261.1925, 263.2466

 1.3497, 4.0243,
3.1710

240.5905,

 0.2199, 1.6871,

313.3767, 317.2999

1.1826

289.1951,
372.0861, 378.2879

■ 0.0000, 0.4153,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.6242, 63.5893,
61.1191

■ 41.6242, 63.5893,
61.1191

■ 39.5528, 62.5953,
57.7566

■ 44.3844, 64.9387,
64.6439

■ 38.0865, 61.9089,
54.5470

■ 47.8946, 66.6703,
68.3311


■ 37.1109, 61.4728,
51.4848


■ 52.2149, 68.8166,
72.1862


■ 36.9968, 61.4226,
51.0866


■ 57.3978, 71.4047,
76.2131

 63.4914, 74.4594,
80.4152

 70.5401, 78.0035,
84.7961

 78.5854, 82.0584,
89.3588

 86.0251, 85.7980,
94.0298

 86.8798, 86.1398,
98.5303

Harmonies

Analogous

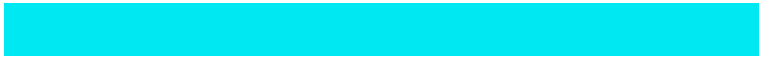
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.0821, 63.5893, 37.9808



41.6242, 63.5893, 61.1191



42.6963, 63.5893, 94.9131

Triad

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



41.6242, 63.5893, 61.1191



68.8422, 63.5893, 142.9903



74.5737, 63.5893, 31.2727

Complementary

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



41.6242, 63.5893, 61.1191



38.9136, 23.2603, 17.7706

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.



82.5223, 63.5893, 48.6687



41.6242, 63.5893, 61.1191



78.9404, 63.5893, 114.1647

Square

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



41.6242, 63.5893, 61.1191



57.5341, 63.5893, 149.4151



84.2113, 63.5893, 78.0457



63.4416, 63.5893, 24.5451

Rectangle

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



41.6242, 63.5893, 61.1191



45.9035, 63.5893, 118.9591



84.2113, 63.5893, 78.0457



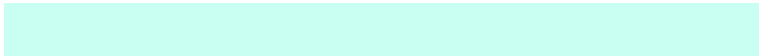
77.7602, 63.5893, 35.7553

Sweetspot

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



41.6260, 63.5918, 61.1206



75.9875, 90.4075, 97.4076



37.1537, 62.2722, 16.3661



15.8124, 19.1242, 20.5414



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.



41.6260, 63.5918, 61.1206



47.7847, 76.4595, 69.3843



36.5277, 45.4421, 83.9395



15.3516, 17.0555, 18.5343



21.0434, 34.8718, 29.2572



1.6898, 2.7532, 2.4944

Inverse Universe

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



38.9136, 23.2603, 17.7706



44.3648, 24.0669, 13.5850



40.7141, 29.6171, 9.8754



15.2160, 15.1143, 16.4228



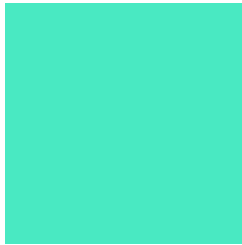
19.5249, 10.0127, 3.2997



1.5703, 0.8011, 0.4544

Previews

White Background



This preview shows how the XYZ color 41.6242, 63.5893, 61.1191 looks on a white background.

Color Contrast Check

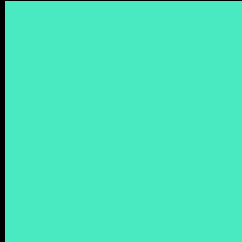
Large Text (above 18pt) WCAG AA × Fail

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 41.6242, 63.5893, 61.1191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

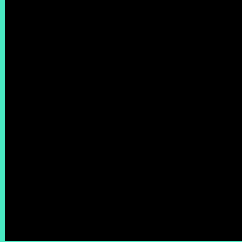
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

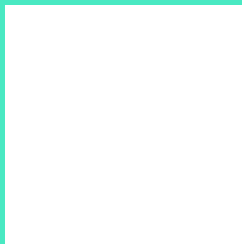
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.6242, 63.5893, 61.1191

Background



This preview shows how black text looks on a background with the XYZ color 41.6242, 63.5893, 61.1191.

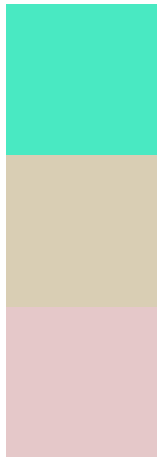


This preview shows how white text looks on a background with the XYZ color 41.6242, 63.5893,

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

41.6242, 63.5893, 61.1191

Protanopia

58.9248, 62.1896, 52.0781

Deuteranopia

63.5100, 62.1836, 63.9136



Tritanopia

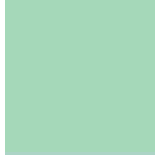
48.3494, 63.4112, 95.2793

Trichromacy



Original Color

41.6242, 63.5893, 61.1191



Protanomaly

48.8299, 60.6138, 55.0250



Deuteranomaly

50.7498, 59.9348, 62.3199



Tritanomaly

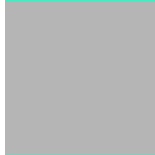
45.7713, 63.6043, 81.8160

Monochromacy



Original Color

41.6242, 63.5893, 61.1191



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

40.6725, 50.6045, 54.0784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6242, 63.5893, 61.1191 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(73, 233, 194)` looks like.

```
.text, #text, p{  
    color:rgb(73, 233, 194)  
}
```

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(73, 233, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 233, 194) }
```

Border

The CSS property to change the border of an element to XYZ 41.6242, 63.5893, 61.1191 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(73, 233, 194) }
```


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

```
.border{ border-color:rgb(73, 233, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 233, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 233, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 233, 194);  
box-shadow:4px 4px 4px 4px rgb(73, 233,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6242, 63.5893, 61.1191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 233, 194) }
```

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

```
.background{ background-color: rgb(73, 233,  
194) }
```

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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