

Converting Colors

XYZ(36.0092, 49.9641, 41.8428)

Have a look what the booklet for
XYZ(36.0092, 49.9641, 41.8428)
contains.

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Color

**XYZ(35.9996, 49.8593,
41.9089)**

Conversions

Conversions Part 1

Format	Color
Hex	79CCA2
RGB	121, 204, 162
RGB Percent	47%, 80%, 64%
CMY	0.5255, 0.2000, 0.3647
CMYK	0.41, 0.00, 0.21, 0.20
HSL	150°, 45%, 64%
HSV	150°, 41%, 80%
XYZ	35.9996, 49.8593, 41.9089
YIQ	174.3950, -35.9860, -30.6580

Conversions

Conversions Part 2

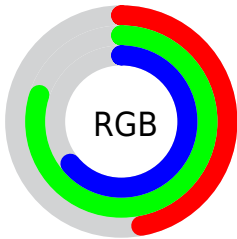
Format	Color
RYB	121, 177, 204
Decimal	7982242
CIELab	75.98, -34.72, 13.11
CIELCh	76, 37.108, 159.314
Yxy	49.8593, 0.2818, 0.3902
Android (android.graphics.Color)	4286172322 (0xFF79CCA2)
YUV	174.3950, -6.1107, -46.8274
Hunter-Lab	70.6111, -32.5650, 14.2382

Details

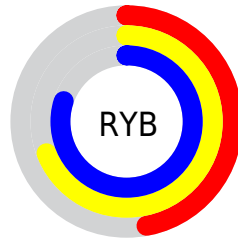
The XYZ color **35.9996, 49.8593, 41.9089** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **38.3517, 29.1576, 38.2588**, and the grayscale version is **40.4801, 42.5882, 46.3786**.

A 20% lighter version of the original color is **66.1889, 85.7599, 78.7104**, and **15.8767, 23.8140, 18.5116** is the 20% darker color. If you saturate the color by 10%, you get **32.5573, 48.1878, 37.1531**, and if you desaturate by 10%, it is **40.1245, 51.8767, 47.0921**.

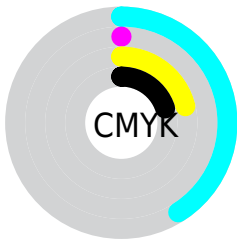
Distribution



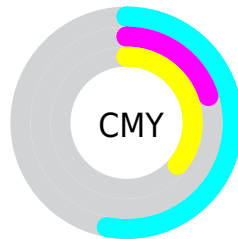
- Red (47%)
- Green (80%)
- Blue (64%)



- Red (47%)
- Yellow (69%)
- Blue (80%)



- Cyan (41%)
- Magenta (0%)
- Yellow (21%)
- Black (20%)





- Cyan (53%)
- Magenta (20%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9996, 49.8593, 41.9089 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 35.9996, 49.8593, 41.9089 by changing the saturation by 10% instead.


 35.9996, 49.8593,
41.9089


 35.9996, 49.8593,
41.9089


320.3901,
386.1155, 369.8937


 24.6040, 35.3016,
28.7049


 68.3553, 89.9664,
79.3303

 15.9094, 23.8953,
18.6141


 90.0462, 116.2846,
104.3849

 9.5505, 15.2560,
11.2178


 115.8994,
147.2917, 134.2267

 5.1619, 8.9992,
6.0975

146.2805,
183.3722, 169.2743

 2.3783, 4.7407,
2.8347

181.5548,
224.9104, 209.9463

 0.8343, 2.0959,
1.0109

222.0875,

 0.0000, 0.6623,

272.2908, 256.6611

0.0000

268.2442,
325.8976, 309.8374

■ 0.0000, 0.0000,
0.0000

■ 35.9996, 49.8593,
41.9089

■ 35.9996, 49.8593,
41.9089

■ 32.5573, 48.1878,
37.1531

■ 40.1245, 51.8767,
47.0921

■ 29.7532, 46.8355,
32.8101

■ 44.9647, 54.2526,
52.7101

■ 27.5441, 45.7816,
28.8691


■ 50.5557, 57.0064,
58.7744


■ 25.8791, 45.0001,
25.3175


■ 56.9292, 60.1543,
65.2950


■ 24.6978, 44.4602,
22.1420


■ 64.1153, 63.7117,
72.2815

 23.9315, 44.1226,
19.5083

 72.1422, 67.6929,
79.7434

 77.7232, 70.4033,
87.5345

 79.2524, 71.0150,
95.5874

 80.8696, 71.6619,
104.1032

Harmonies

Analogous

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



39.4494, 49.8593, 29.8202



35.9996, 49.8593, 41.9089



35.4345, 49.8593, 60.6925

Triad

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



35.9996, 49.8593, 41.9089



49.5761, 49.8593, 101.2451



58.4480, 49.8593, 33.5466

Complementary

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



35.9996, 49.8593, 41.9089



38.3517, 29.1576, 38.2588

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.



61.7706, 49.8593, 48.3513



35.9996, 49.8593, 41.9089



56.3300, 49.8593, 89.4312

Square

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



35.9996, 49.8593, 41.9089



42.8431, 49.8593, 98.3128



60.9599, 49.8593, 68.8930



52.2472, 49.8593, 25.8718

Rectangle

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



35.9996, 49.8593, 41.9089



36.7086, 49.8593, 75.1648



60.9599, 49.8593, 68.8930



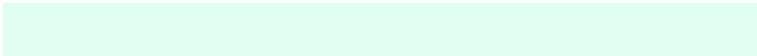
59.9647, 49.8593, 37.6865

Sweetspot

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



36.0010, 49.8613, 41.9100



82.2808, 93.6938, 95.8091



40.3315, 52.4485, 26.0876



17.3389, 19.9200, 20.2166



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.



36.0010, 49.8613, 41.9100



54.4626, 80.0654, 62.3198



40.2135, 51.5464, 64.0930



11.2952, 12.6278, 13.1119



15.1090, 27.7889, 12.5251



0.8178, 1.4489, 0.8479

Inverse Universe

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



38.3517, 29.1576, 38.2588



58.8861, 41.1013, 55.4452



35.2773, 27.9278, 22.0691



11.4452, 11.3068, 12.8791



17.2689, 8.7181, 9.1346



0.9292, 0.4651, 0.6729

Previews

White Background



This preview shows how the XYZ color 35.9996, 49.8593, 41.9089 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 35.9996, 49.8593, 41.9089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

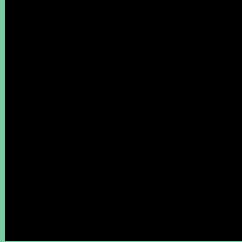
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.9996, 49.8593, 41.9089

Background



This preview shows how black text looks on a background with the XYZ color 35.9996, 49.8593, 41.9089.

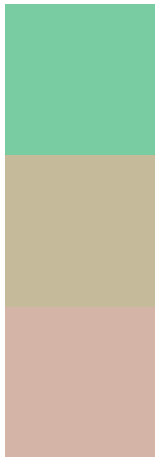


This preview shows how white text looks on a background with the XYZ color 35.9996, 49.8593,

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

35.9996, 49.8593, 41.9089

Protanopia

46.3346, 49.2880, 37.2084

Deuteranopia

50.1603, 49.2814, 43.4277



Tritanopia

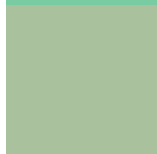
41.6494, 49.7231, 70.3532

Trichromacy



Original Color

35.9996, 49.8593, 41.9089



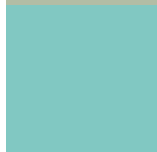
Protanomaly

41.4329, 48.9752, 38.7219



Deuteranomaly

43.3492, 48.5768, 42.6888



Tritanomaly

39.4451, 49.8707, 58.5860

Monochromacy



Original Color

35.9996, 49.8593, 41.9089



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.1222, 44.5688, 44.6236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9996, 49.8593, 41.9089 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(121, 204, 162)` looks like.

```
.text, #text, p{  
    color:rgb(121, 204, 162)  
}
```

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(121, 204, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 204, 162) }
```

Border

The CSS property to change the border of an element to XYZ 35.9996, 49.8593, 41.9089 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(121, 204, 162) }
```


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

```
.border{ border-color:rgb(121, 204, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 204, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 204, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 204, 162); box-shadow:4px 4px 4px 4px rgb(121, 204, 162) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9996, 49.8593, 41.9089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 204, 162) }
```

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

```
.background{ background-color: rgb(121,  
204, 162) }
```

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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