

Converting Colors

XYZ(41.6159, 41.0464, 63.6960)

Have a look what the booklet for
XYZ(41.6159, 41.0464, 63.6960)
contains.

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Color

**XYZ(41.5996, 40.9591,
63.4710)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA8CD
RGB	170, 168, 205
RGB Percent	67%, 66%, 80%
CMY	0.3333, 0.3412, 0.1961
CMYK	0.17, 0.18, 0.00, 0.20
HSL	243°, 27%, 73%
HSV	243°, 18%, 80%
XYZ	41.5996, 40.9591, 63.4710
YIQ	172.8160, -10.6850, 11.9310

Conversions

Conversions Part 2

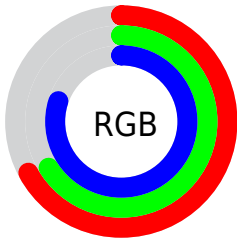
Format	Color
R _Y B	170, 168, 205
Decimal	11184333
CIE Lab	70.15, 8.30, -18.54
CIE LCh	70, 20.314, 294.114
Yxy	40.9591, 0.2849, 0.2805
Android (android.graphics.Color)	4289374413 (0xFFAAA8CD)
YUV	172.8160, 15.8667, -2.4696
Hunter-Lab	63.9993, 4.0264, -14.0011

Details

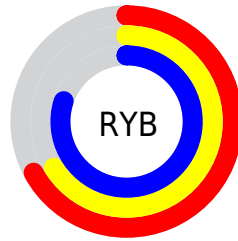
The XYZ color **41.5996, 40.9591, 63.4710** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.5293, 59.1874, 45.6507**, and the grayscale version is **39.5535, 41.6133, 45.3169**.

A 20% lighter version of the original color is **75.8017, 76.1641, 105.3137**, and **19.1674, 18.5071, 31.8401** is the 20% darker color. If you saturate the color by 10%, you get **34.2218, 31.9742, 62.1263**, and if you desaturate by 10%, it is **50.1950, 51.4594, 65.0454**.

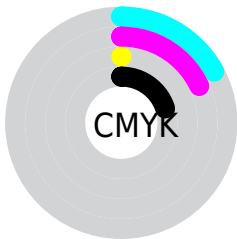
Distribution



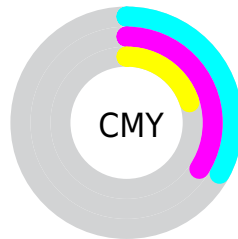
- Red (67%)
- Green (66%)
- Blue (80%)



- Red (67%)
- Yellow (66%)
- Blue (80%)



- Cyan (17%)
- Magenta (18%)
- Yellow (0%)
- Black (20%)



- Cyan (33%)
- Magenta (34%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5996, 40.9591, 63.4710 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 41.5996, 40.9591, 63.4710 by changing the saturation by 10% instead.

■ 41.5996, 40.9591,
63.4710

■ 41.5996, 40.9591,
63.4710

343.8404,
350.1496, 455.4317

■ 28.9776, 28.2871,
45.7789

■ 76.8622, 76.6218,
111.4409

■ 19.2081, 18.5422,
31.7240

■ 100.2336,
100.3813, 142.5557

■ 11.9256, 11.3400,
20.8877

127.9189,
128.6055, 178.9819

■ 6.7649, 6.2960,
12.8515

160.2833,
161.6787, 221.1380

■ 3.3605, 3.0259,
7.1968

197.6924,
199.9853, 269.4424

■ 1.3472, 1.1453,
3.5052

240.5113,

■ 0.2181, 0.0163,

243.9097, 324.3139

1.3580

289.1055,
293.8364, 386.1708

■ 0.0000, 0.0000,
0.1086

■ 0.0000, 0.0000,
0.0000

■ 41.5996, 40.9591,
63.4710

■ 41.5996, 40.9591,
63.4710

■ 34.2218, 31.9742,
62.1263

■ 50.1950, 51.4594,
65.0454

■ 28.0029, 24.4301,
60.9979

■ 60.0556, 63.5352,
66.8565

■ 22.8852, 18.2531,
60.0753

■ 71.2310, 77.2495,
68.9147

■ 18.8043, 13.3614,
59.3462

■ 83.7671, 92.6605,
71.2286

■ 15.6893, 9.6644,
58.7968

■ 88.0196, 97.1878,
71.8783

■ 13.4603, 7.0593,
58.4114

■ 12.0246, 5.4264,
58.1719

■ 11.2577, 4.5951,
58.0519

■ 11.1585, 4.4795,
58.0348

Harmonies

Analogous

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



38.2789, 40.9591, 65.3884



41.5996, 40.9591, 63.4710



44.3398, 40.9591, 56.2065

Triad

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



41.5996, 40.9591, 63.4710



42.7970, 40.9591, 31.3542



32.9143, 40.9591, 42.7472

Complementary

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



41.5996, 40.9591, 63.4710



53.5293, 59.1874, 45.6507

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.



33.9799, 40.9591, 34.7083



41.5996, 40.9591, 63.4710



39.5893, 40.9591, 28.7594

Square

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



41.5996, 40.9591, 63.4710



45.0582, 40.9591, 37.5314



36.3779, 40.9591, 29.8939



33.3850, 40.9591, 52.4991

Rectangle

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



41.5996, 40.9591, 63.4710



45.4048, 40.9591, 49.7961



36.3779, 40.9591, 29.8939



33.1027, 40.9591, 39.7739

Sweetspot

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



41.6009, 40.9608, 63.4719



86.8175, 89.9169, 107.3877



48.5605, 55.5164, 65.9146



18.3442, 18.9542, 22.9416



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.



41.6009, 40.9608, 63.4719



62.7884, 60.5675, 102.9891



45.8489, 43.1507, 63.6707



10.6569, 10.8724, 14.1073



6.9721, 2.8018, 36.1296



0.3798, 0.1549, 1.8648

Inverse Universe

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



49.9604, 45.2980, 62.6121



79.2065, 69.0873, 101.2316



48.8237, 56.7616, 45.4305



11.6604, 11.3929, 14.0121



21.7422, 10.5075, 32.6909



1.1298, 0.5453, 1.7296

Previews

White Background



This preview shows how the XYZ color 41.5996, 40.9591, 63.4710 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 41.5996, 40.9591, 63.4710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

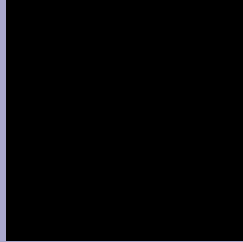
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.5996, 40.9591, 63.4710

Background



This preview shows how black text looks on a background with the XYZ color 41.5996, 40.9591, 63.4710.



This preview shows how white text looks on a background with the XYZ color 41.5996, 40.9591,

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

41.5996, 40.9591, 63.4710

Protanopia

40.8251, 41.0982, 64.1735

Deuteranopia

41.8167, 41.0710, 63.4811



Tritanopia

39.0458, 40.7356, 51.7038

Trichromacy



Original Color

41.5996, 40.9591, 63.4710

Protanomaly

41.0544, 40.9392, 64.1308

Deuteranomaly

41.8167, 41.0710, 63.4811

Tritanomaly

39.8255, 40.7707, 55.6397

Monochromacy



Original Color

41.5996, 40.9591, 63.4710

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.3331, 41.3993, 51.7640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5996, 40.9591, 63.4710 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, 168, 205)` looks like.

```
.text, #text, p{  
    color:rgb(170, 168, 205)  
}
```

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, 168, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 168, 205) }
```

Border

The CSS property to change the border of an element to XYZ 41.5996, 40.9591, 63.4710 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, 168, 205) }
```


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

```
.border{ border-color:rgb(170, 168, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 168, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 168, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 168, 205);  
box-shadow:4px 4px 4px 4px rgb(170, 168,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5996, 40.9591, 63.4710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 168, 205) }
```

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

```
.background{ background-color: rgb(170,  
168, 205) }
```

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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