

Converting Colors

XYZ(44.7972, 45.2578, 63.4653)

Have a look what the booklet for
XYZ(44.7972, 45.2578, 63.4653)
contains.

XYZ(44.7527, 45.1510, 63.4830)	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(44.7527, 45.1510,
63.4830)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B1CC
RGB	177, 177, 204
RGB Percent	69%, 69%, 80%
CMY	0.3059, 0.3059, 0.2000
CMYK	0.13, 0.13, 0.00, 0.20
HSL	240°, 21%, 75%
HSV	240°, 13%, 80%
XYZ	44.7527, 45.1510, 63.4830
YIQ	180.0780, -8.6670, 8.3970

Conversions

Conversions Part 2

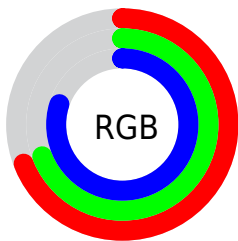
Format	Color
RYB	177, 177, 204
Decimal	11645388
CIELab	72.99, 5.40, -13.65
CIELCh	73, 14.678, 291.585
Yxy	45.1510, 0.2918, 0.2944
Android (android.graphics.Color)	4289835468 (0xFFB1B1CC)
YUV	180.0780, 11.7935, -2.6994
Hunter-Lab	67.1945, 1.2937, -8.9790

Details

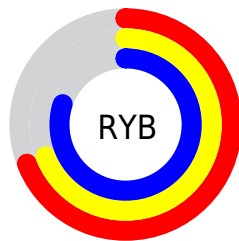
The XYZ color **44.7527, 45.1510, 63.4830** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.4308, 59.1973, 50.1535**, and the grayscale version is **43.3674, 45.6259, 49.6866**.

A 20% lighter version of the original color is **80.7932, 82.8215, 106.3356**, and **21.0249, 20.9024, 31.7806** is the 20% darker color. If you saturate the color by 10%, you get **36.7166, 35.4684, 62.0383**, and if you desaturate by 10%, it is **54.0884, 56.4000, 65.1629**.

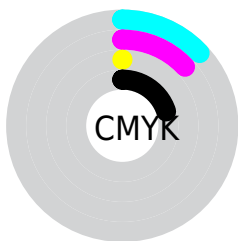
Distribution



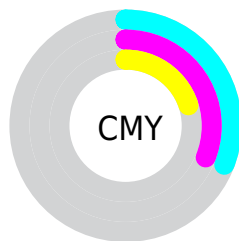
- Red (69%)
- Green (69%)
- Blue (80%)



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



- Cyan (13%)
- Magenta (13%)
- Yellow (0%)
- Black (20%)



- Cyan (31%)
- Magenta (31%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7527, 45.1510, 63.4830 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 44.7527, 45.1510, 63.4830 by changing the saturation by 10% instead.

■ 44.7527, 45.1510,
63.4830

■ 44.7527, 45.1510,
63.4830

356.5716,
367.3848, 455.4764

■ 31.4631, 31.5764,
45.7886

■ 81.5885, 82.9470,
111.4583

■ 21.1053, 21.0381,
31.7315

105.8655,
107.9371, 142.5763

■ 13.3139, 13.1519,
20.8934

134.5357,
137.5012, 179.0059

■ 7.7235, 7.5332,
12.8556

167.9644,
172.0236, 221.1655

■ 3.9689, 3.7977,
7.1996

206.5170,
211.8888, 269.4739

■ 1.6845, 1.5611,
3.5069

250.5588,

■ 0.4466, 0.3311,

257.4811, 324.3495

1.3589

300.4552,
309.1850, 386.2108

■ 0.0000, 0.0000,
0.1094

■ 0.0000, 0.0000,
0.0000

■ 44.7527, 45.1510,
63.4830

■ 44.7527, 45.1510,
63.4830

■ 36.7166, 35.4684,
62.0383

■ 54.0884, 56.4000,
65.1629

■ 29.9187, 27.2774,
60.8156

■ 64.7735, 69.2745,
67.0848

■ 24.2986, 20.5057,
59.8047

■ 76.8599, 83.8375,
69.2587

■ 19.7895, 15.0725,
58.9937

■ 87.8992, 97.1397,
71.2445

■ 16.3178, 10.8892,
58.3692

■ 13.8008, 7.8563,
57.9165

■ 12.1437, 5.8595,
57.6184

■ 11.2318, 4.7606,
57.4543

■ 10.8994, 4.3600,
57.3945

Harmonies

Analogous

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



42.1978, 45.1510, 64.4814



44.7527, 45.1510, 63.4830



46.8916, 45.1510, 58.4598

Triad

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



44.7527, 45.1510, 63.4830



46.0491, 45.1510, 38.9147



38.2234, 45.1510, 47.1259

Complementary

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



44.7527, 45.1510, 63.4830



54.4308, 59.1973, 50.1535

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.



39.1692, 45.1510, 40.9059



44.7527, 45.1510, 63.4830



43.6396, 45.1510, 36.4838

Square

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



44.7527, 45.1510, 63.4830



47.6606, 45.1510, 44.1517



41.1277, 45.1510, 37.1746



38.4948, 45.1510, 54.5371

Rectangle

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



44.7527, 45.1510, 63.4830



47.7606, 45.1510, 53.7547



41.1277, 45.1510, 37.1746



38.4081, 45.1510, 44.8382

Sweetspot

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



44.7541, 45.1529, 63.4840



88.2286, 91.7808, 107.6731



50.5704, 56.8717, 65.1569



18.6188, 19.3246, 22.9987



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.



44.7541, 45.1529, 63.4840



69.9379, 69.7421, 104.3832



47.8699, 46.7586, 63.6297



10.6019, 10.8441, 14.1047



6.8601, 2.7443, 36.1244



0.3539, 0.1416, 1.8636

Inverse Universe

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



48.5609, 47.4571, 48.1977



77.5007, 74.3198, 74.0147



51.0028, 57.4307, 49.9932



11.2124, 11.2137, 11.6531



15.6736, 8.0800, 0.7338



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 44.7527, 45.1510, 63.4830 looks on a white background.

Color Contrast Check

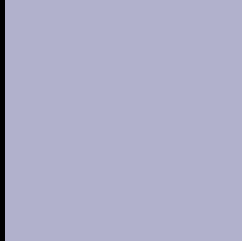
Large Text (above 18pt) WCAG AA × Fail

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 44.7527, 45.1510, 63.4830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

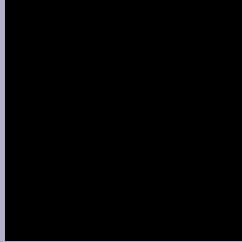
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.7527, 45.1510, 63.4830

Background



This preview shows how black text looks on a background with the XYZ color 44.7527, 45.1510, 63.4830.



This preview shows how white text looks on a background with the XYZ color 44.7527, 45.1510,

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

44.7527, 45.1510, 63.4830

Protanopia

44.4987, 45.3144, 63.5280

Deuteranopia

45.9962, 45.2099, 63.4289



Tritanopia

43.4249, 45.2044, 56.8887

Trichromacy



Original Color

44.7527, 45.1510, 63.4830

Protanomaly

44.7240, 45.4305, 63.5385

Deuteranomaly

45.4805, 45.2341, 63.4607

Tritanomaly

43.9029, 45.1021, 59.2150

Monochromacy



Original Color

44.7527, 45.1510, 63.4830

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.8958, 45.4980, 54.6126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7527, 45.1510, 63.4830 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(177, 177, 204)` looks like.

```
.text, #text, p{  
    color:rgb(177, 177, 204)  
}
```

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(177, 177, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 177, 204) }
```

Border

The CSS property to change the border of an element to XYZ 44.7527, 45.1510, 63.4830 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(177, 177, 204) }
```


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

```
.border{ border-color:rgb(177, 177, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 177, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 177, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 177, 204);  
box-shadow:4px 4px 4px 4px rgb(177, 177,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7527, 45.1510, 63.4830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 177, 204) }
```

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

```
.background{ background-color: rgb(177,  
177, 204) }
```

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