

Converting Colors

XYZ(41.6644, 45.7202, 63.6490)

Have a look what the booklet for
XYZ(41.6644, 45.7202, 63.6490)
contains.

XYZ(41.5571, 45.6092, 63.7399)	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(41.5571, 45.6092,
63.7399)**

Conversions

Conversions Part 1

Format	Color
Hex	9BB8CC
RGB	155, 184, 204
RGB Percent	61%, 72%, 80%
CMY	0.3921, 0.2784, 0.2000
CMYK	0.24, 0.10, 0.00, 0.20
HSL	204°, 32%, 70%
HSV	204°, 24%, 80%
XYZ	41.5571, 45.6092, 63.7399
YIQ	177.6090, -23.7040, 0.0720

Conversions

Conversions Part 2

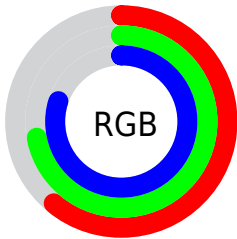
Format	Color
R _{YB}	155, 173, 204
Decimal	10205388
CIE Lab	73.29, -5.38, -13.36
CIE LCh	73, 14.400, 248.055
Yxy	45.6092, 0.2754, 0.3022
Android (android.graphics.Color)	4288395468 (0xFF9BB8CC)
YUV	177.6090, 13.0108, -19.8281
Hunter-Lab	67.5346, -8.3464, -8.6844

Details

The XYZ color **41.5571, 45.6092, 63.7399** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.1486, 45.8639, 37.4316**, and the grayscale version is **42.0540, 44.2441, 48.1818**.

A 20% lighter version of the original color is **75.7884, 83.2418, 106.6805**, and **19.2148, 21.3182, 31.9562** is the 20% darker color. If you saturate the color by 10%, you get **36.2893, 40.4023, 63.0133**, and if you desaturate by 10%, it is **47.5909, 51.3644, 64.5335**.

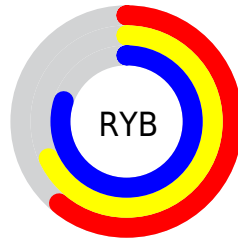
Distribution



Red (61%)

Green (72%)

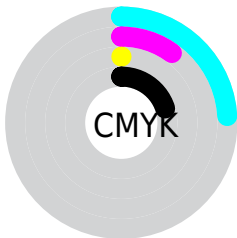
Blue (80%)



Red (61%)

Yellow (68%)

Blue (80%)

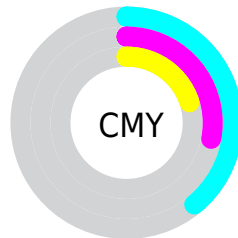


Cyan (24%)

Magenta (10%)

Yellow (0%)

Black (20%)



Cyan (39%)

Magenta (28%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5571, 45.6092, 63.7399 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 41.5571, 45.6092, 63.7399 by changing the saturation by 10% instead.

■ 41.5571, 45.6092,
63.7399

■ 41.5571, 45.6092,
63.7399

343.6666,
369.2353, 456.4314

■ 28.9442, 31.9375,
45.9952

■ 76.7983, 83.6338,
111.8321

■ 19.1827, 21.3138,
31.8934

■ 100.1573,
108.7556, 143.0167

■ 11.9072, 13.3536,
21.0159

127.8290,
138.4628, 179.5184

■ 6.7522, 7.6725,
12.9443

160.1789,
173.1400, 221.7557

■ 3.3526, 3.8861,
7.2599

197.5722,
213.1714, 270.1470

■ 1.3428, 1.6100,
3.5443

240.3744,

■ 0.2149, 0.3644,

258.9415, 325.1111

1.3788

288.9507,
310.8346, 387.0664

■ 0.0000, 0.0000,
0.1251

■ 0.0000, 0.0000,
0.0000

■ 41.5571, 45.6092,
63.7399

■ 41.5571, 45.6092,
63.7399

■ 36.2893, 40.4023,
63.0133

■ 47.5909, 51.3644,
64.5335

■ 31.7484, 35.7175,
62.3483

■ 54.4191, 57.6816,
65.3930

■ 27.8978, 31.5345,
61.7439

■ 62.0737, 64.5809,
66.3212

■ 24.6960, 27.8291,
61.1974

■ 70.5836, 72.0796,
67.3201

■ 22.0965, 24.5746,
60.7063

■ 79.2356, 79.8124,
68.3567

■ 20.0458, 21.7406,
60.2673

■ 81.5500, 84.4411,
69.1281

■ 18.4794, 19.2907,
59.8770

■ 83.9757, 89.2926,
69.9367

■ 17.7057, 17.9726,
59.6634

■ 86.5143, 94.3698,
70.7829

■ 87.8992, 97.1397,
71.2445

Harmonies

Analogous

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



39.6306, 45.6092, 58.7553



41.5571, 45.6092, 63.7399



44.0356, 45.6092, 64.7755

Triad

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



41.5571, 45.6092, 63.7399



48.3486, 45.6092, 47.7334



40.4195, 45.6092, 39.4763

Complementary

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



41.5571, 45.6092, 63.7399



46.1486, 45.8639, 37.4316

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.



42.6719, 45.6092, 37.1015



41.5571, 45.6092, 63.7399



47.2955, 45.6092, 41.5565

Square

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



41.5571, 45.6092, 63.7399



48.0218, 45.6092, 55.0525



45.1941, 45.6092, 37.8242



38.9918, 45.6092, 44.6329

Rectangle

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



41.5571, 45.6092, 63.7399



45.6791, 45.6092, 63.0013



45.1941, 45.6092, 37.8242



41.1017, 45.6092, 38.3502

Sweetspot

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



41.5585, 45.6110, 63.7409



86.5050, 92.2101, 107.8468



42.8099, 53.2346, 48.3716



18.3648, 19.5978, 23.0648



0.0000, 0.0000, 0.0000



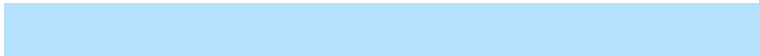
20.3446, 21.4041, 23.3091

Same Dimension

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



41.5585, 45.6110, 63.7409



63.9943, 70.8029, 104.9012



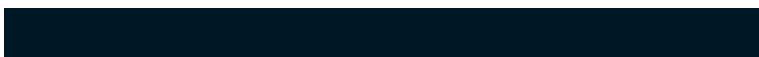
36.9710, 36.4361, 62.2118



11.1444, 11.9293, 14.2856



11.2375, 11.4990, 37.5835



0.6532, 0.7401, 1.9634

Inverse Universe

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



45.2760, 39.7418, 50.6342



71.3401, 59.7545, 78.8791



51.2655, 56.0976, 39.1372



11.4863, 11.3232, 13.0952



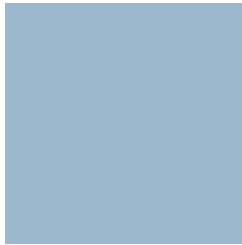
17.8831, 8.9638, 12.3689



0.9596, 0.4773, 0.8333

Previews

White Background



This preview shows how the XYZ color 41.5571, 45.6092, 63.7399 looks on a white background.

Color Contrast Check

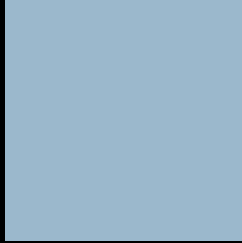
Large Text (above 18pt) WCAG AA × Fail

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 41.5571, 45.6092, 63.7399 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

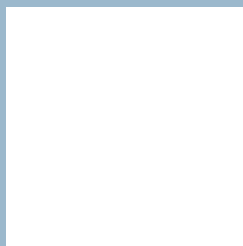
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.5571, 45.6092, 63.7399

Background



This preview shows how black text looks on a background with the XYZ color 41.5571, 45.6092, 63.7399.



This preview shows how white text looks on a background with the XYZ color 41.5571, 45.6092,

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

41.5571, 45.6092, 63.7399

Protanopia

44.4772, 45.3580, 61.0544

Deuteranopia

46.4781, 45.4305, 64.7118



Tritanopia

40.9842, 45.6915, 60.6921

Trichromacy



Original Color

41.5571, 45.6092, 63.7399

Protanomaly

43.2261, 45.2946, 61.7228

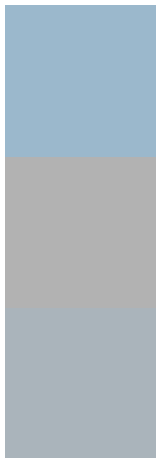
Deuteranomaly

44.3954, 45.2472, 64.1513

Tritanomaly

41.2180, 45.7850, 61.9233

Monochromacy



Original Color

41.5571, 45.6092, 63.7399

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.8685, 44.7764, 53.4497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5571, 45.6092, 63.7399 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(155, 184, 204)` looks like.

```
.text, #text, p{  
    color:rgb(155, 184, 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(155, 184, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 184, 204) }
```

Border

The CSS property to change the border of an element to XYZ 41.5571, 45.6092, 63.7399 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(155, 184, 204) }
```


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

```
.border{ border-color:rgb(155, 184, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 184, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 184, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 184, 204);  
box-shadow:4px 4px 4px 4px rgb(155, 184,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5571, 45.6092, 63.7399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 184, 204) }
```

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

```
.background{ background-color: rgb(155,  
184, 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