

Converting Colors

XYZ(40.8621, 45.5541, 63.9185)

Have a look what the booklet for
XYZ(40.8621, 45.5541, 63.9185)
contains.

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Color

**XYZ(40.8257, 45.5416,
63.7654)**

Conversions

Conversions Part 1

Format	Color
Hex	96B9CC
RGB	150, 185, 204
RGB Percent	59%, 73%, 80%
CMY	0.4118, 0.2745, 0.2000
CMYK	0.26, 0.09, 0.00, 0.20
HSL	201°, 35%, 69%
HSV	201°, 26%, 80%
XYZ	40.8257, 45.5416, 63.7654
YIQ	176.7010, -26.9590, -1.5110

Conversions

Conversions Part 2

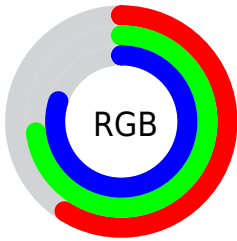
Format	Color
R _Y B	150, 171, 204
Decimal	9877964
CIE Lab	73.25, -7.43, -13.45
CIE LCh	73, 15.370, 241.090
Yxy	45.5416, 0.2719, 0.3033
Android (android.graphics.Color)	4288068044 (0xFF96B9CC)
YUV	176.7010, 13.4584, -23.4168
Hunter-Lab	67.4845, -10.1118, -8.7833

Details

The XYZ color **40.8257, 45.5416, 63.7654** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.5953, 43.4155, 34.8848**, and the grayscale version is **41.5761, 43.7413, 47.6342**.

A 20% lighter version of the original color is **74.6821, 83.1097, 106.7134**, and **18.7933, 21.3012, 31.9752** is the 20% darker color. If you saturate the color by 10%, you get **35.9302, 40.8460, 63.1178**, and if you desaturate by 10%, it is **46.4533, 50.7294, 64.4709**.

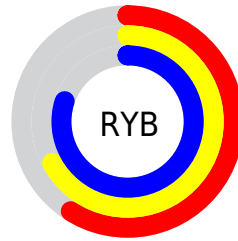
Distribution



Red (59%)

Green (73%)

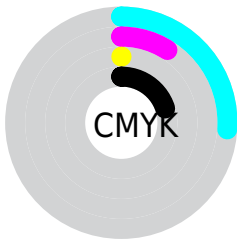
Blue (80%)



Red (59%)

Yellow (67%)

Blue (80%)

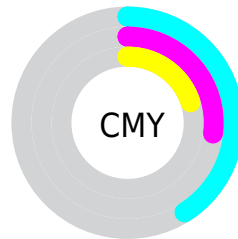


Cyan (26%)

Magenta (9%)

Yellow (0%)

Black (20%)



Cyan (41%)

Magenta (27%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8257, 45.5416, 63.7654 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 40.8257, 45.5416, 63.7654 by changing the saturation by 10% instead.

■ 40.8257, 45.5416,
63.7654

■ 40.8257, 45.5416,
63.7654

340.6666,
368.9626, 456.5262

■ 28.3700, 31.8842,
46.0157

■ 75.6956, 83.5325,
111.8692

■ 18.7466, 21.2731,
31.9095

■ 98.8405, 108.6349,
143.0604

■ 11.5903, 13.3238,
21.0281

126.2792,
138.3211, 179.5693

■ 6.5355, 7.6519,
12.9531

158.3770,
172.9754, 221.8142

■ 3.2171, 3.8730,
7.2659

195.4993,
212.9824, 270.2138

■ 1.2696, 1.6028,
3.5480

238.0114,

■ 0.1603, 0.3595,

258.7263, 325.1867

1.3808

286.2788,
310.5916, 387.1513

■ 0.0000, 0.0000,
0.1267

■ 0.0000, 0.0000,
0.0000

■ 40.8257, 45.5416,
63.7654

■ 40.8257, 45.5416,
63.7654

■ 35.9302, 40.8460,
63.1178

■ 46.4533, 50.7294,
64.4709

■ 31.7276, 36.6174,
62.5231

■ 52.8413, 56.4222,
65.2330

■ 28.1814, 32.8363,
61.9802

■ 60.0216, 62.6391,
66.0546

■ 25.2494, 29.4794,
61.4868

■ 68.0228, 69.3965,
66.9372

■ 22.8845, 26.5206,
61.0403

■ 76.8723, 76.7099,
67.8824

■ 21.0316, 23.9296,
60.6379

■ 79.9007, 81.1427,
68.5784

■ 19.6205, 21.6685,
60.2758

■ 81.9171, 85.1755,
69.2505

■ 19.1819, 20.9249,
60.1554

■ 84.0165, 89.3742,
69.9503

■ 86.1997, 93.7407,
70.6780

Harmonies

Analogous

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



38.9929, 45.5416, 57.6628



40.8257, 45.5416, 63.7654



43.3847, 45.5416, 65.9772

Triad

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



40.8257, 45.5416, 63.7654



48.6835, 45.5416, 49.3050



40.6616, 45.5416, 37.9193

Complementary

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



40.8257, 45.5416, 63.7654



44.5953, 43.4155, 34.8848

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.



43.1873, 45.5416, 36.1645



40.8257, 45.5416, 63.7654



47.8830, 45.5416, 42.3029

Square

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



40.8257, 45.5416, 63.7654



47.9886, 45.5416, 57.1233



45.8431, 45.5416, 37.6835



38.9010, 45.5416, 42.7446

Rectangle

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



40.8257, 45.5416, 63.7654



45.1799, 45.5416, 64.7837



45.8431, 45.5416, 37.6835



41.4457, 45.5416, 36.9747

Sweetspot

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



40.8271, 45.5434, 63.7664



85.6920, 91.8402, 107.8182



41.3235, 52.5314, 45.4495



17.9856, 19.3428, 23.0355



0.0000, 0.0000, 0.0000



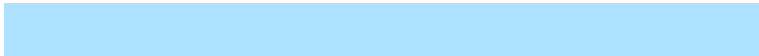
20.3446, 21.4041, 23.3091

Same Dimension

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



40.8271, 45.5434, 63.7664



62.6480, 70.7016, 104.9526



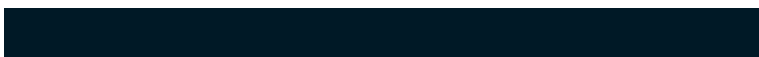
35.7216, 35.3325, 62.0646



11.1982, 12.0369, 14.3035



12.1634, 13.3508, 37.8921



0.6971, 0.8280, 1.9780

Inverse Universe

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



44.5662, 38.1539, 50.9166



70.0280, 56.8078, 79.4360



50.1251, 54.4750, 36.7280



11.5134, 11.3341, 13.2383



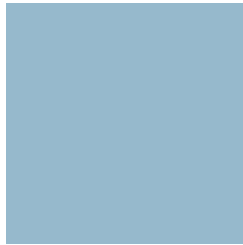
18.3504, 9.1508, 14.8299



0.9818, 0.4861, 0.9501

Previews

White Background



This preview shows how the XYZ color 40.8257, 45.5416, 63.7654 looks on a white background.

Color Contrast Check

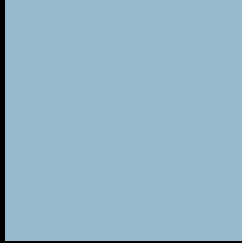
Large Text (above 18pt) WCAG AA × Fail

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 40.8257, 45.5416, 63.7654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

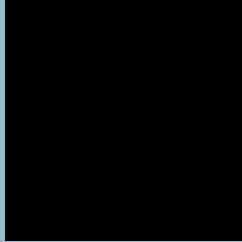
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8257, 45.5416, 63.7654

Background



This preview shows how black text looks on a background with the XYZ color 40.8257, 45.5416, 63.7654.



This preview shows how white text looks on a background with the XYZ color 40.8257, 45.5416,

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

40.8257, 45.5416, 63.7654

Protanopia

44.4772, 45.3580, 61.0544

Deuteranopia

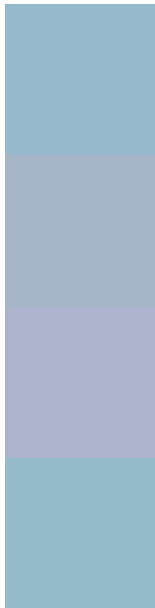
46.2377, 45.3065, 64.7006



Tritanopia

40.3787, 45.6775, 61.3320

Trichromacy



Original Color

40.8257, 45.5416, 63.7654

Protanomaly

43.0028, 45.4803, 61.7704

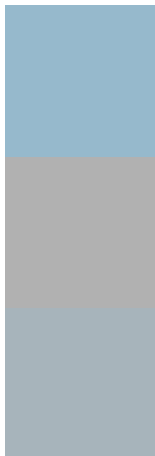
Deuteranomaly

44.1528, 45.4186, 64.1972

Tritanomaly

40.4959, 45.7244, 61.9497

Monochromacy



Original Color

40.8257, 45.5416, 63.7654

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.2272, 44.4459, 53.4197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8257, 45.5416, 63.7654 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(150, 185, 204)` looks like.

```
.text, #text, p{  
    color:rgb(150, 185, 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(150, 185, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 185, 204) }
```

Border

The CSS property to change the border of an element to XYZ 40.8257, 45.5416, 63.7654 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(150, 185, 204) }
```


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

```
.border{ border-color:rgb(150, 185, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 185, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 185, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 185, 204);  
box-shadow:4px 4px 4px 4px rgb(150, 185,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8257, 45.5416, 63.7654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 185, 204) }
```

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

```
.background{ background-color: rgb(150,  
185, 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](#).

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