

Converting Colors

XYZ(40.0447, 45.8661, 63.0832)

Have a look what the booklet for
XYZ(40.0447, 45.8661, 63.0832)
contains.

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Color

**XYZ(40.0514, 45.7817,
63.2257)**

Conversions

Conversions Part 1

Format	Color
Hex	90BBCB
RGB	144, 187, 203
RGB Percent	56%, 73%, 80%
CMY	0.4353, 0.2667, 0.2039
CMYK	0.29, 0.08, 0.00, 0.20
HSL	196°, 36%, 68%
HSV	196°, 29%, 80%
XYZ	40.0514, 45.7817, 63.2257
YIQ	175.9670, -30.7640, -4.1400

Conversions

Conversions Part 2

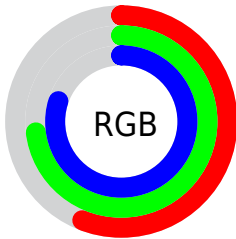
Format	Color
RYB	144, 169, 203
Decimal	9485259
CIELab	73.40, -10.51, -12.71
CIELCh	73, 16.491, 230.427
Yxy	45.7817, 0.2687, 0.3071
Android (android.graphics.Color)	4287675339 (0xFF90BBCB)
YUV	175.9670, 13.3273, -28.0351
Hunter-Lab	67.6622, -12.7490, -8.0389

Details

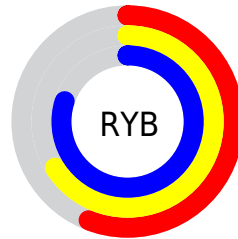
The XYZ color **40.0514, 45.7817, 63.2257** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.2341, 39.8521, 31.8529**, and the grayscale version is **41.1950, 43.3403, 47.1976**.

A 20% lighter version of the original color is **73.6538, 83.4633, 106.8358**, and **18.3635, 21.4954, 31.6149** is the 20% darker color. If you saturate the color by 10%, you get **35.6744, 41.8259, 62.6936**, and if you desaturate by 10%, it is **45.1134, 50.1594, 63.8046**.

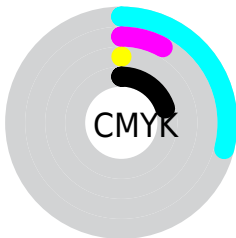
Distribution



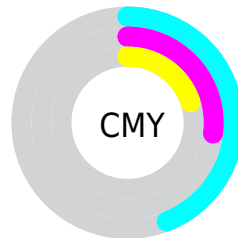
- Red (56%)
- Green (73%)
- Blue (80%)



- Red (56%)
- Yellow (66%)
- Blue (80%)



- Cyan (29%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)



- Cyan (44%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0514, 45.7817, 63.2257 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 40.0514, 45.7817, 63.2257 by changing the saturation by 10% instead.

■ 40.0514, 45.7817,
63.2257

■ 40.0514, 45.7817,
63.2257

337.4709,
369.9303, 454.5186

■ 27.7630, 32.0736,
45.5817

■ 74.5256, 83.8922,
111.0838

■ 18.2866, 21.4177,
31.5695

■ 97.4422, 109.0634,
142.1349

■ 11.2569, 13.4297,
20.7708

124.6321,
138.8244, 178.4921

■ 6.3085, 7.7251,
12.7670

156.4609,
173.5596, 220.5740

■ 3.0760, 3.9195,
7.1394

193.2938,
213.6534, 268.7990

■ 1.1941, 1.6287,
3.4697

235.4962,

■ 0.1017, 0.3768,

259.4902, 323.5858

1.3392

283.4334,
311.4543, 385.3528

■ 0.0000, 0.0000,
0.0936

■ 0.0000, 0.0000,
0.0000

■ 40.0514, 45.7817,
63.2257

■ 40.0514, 45.7817,
63.2257

■ 35.6744, 41.8259,
62.6936

■ 45.1134, 50.1594,
63.8046

■ 31.9437, 38.2678,
62.2035

■ 50.8885, 54.9707,
64.4289

■ 28.8227, 35.0891,
61.7544

■ 57.4080, 60.2336,
65.1012

■ 26.2695, 32.2672,
61.3443

■ 64.7001, 65.9635,
65.8228

■ 24.2362, 29.7768,
60.9708

■ 72.7916, 72.1747,
66.5952

■ 22.6667, 27.5882,
60.6311

■ 77.6208, 76.7742,
67.2285

■ 21.4676, 25.6524,
60.3206

■ 79.0897, 79.7119,
67.7181

■ 21.3627, 25.4780,
60.2925

■ 80.6065, 82.7457,
68.2237

■ 82.1719, 85.8763,
68.7455

Harmonies

Analogous

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



38.4862, 45.7817, 55.6435



40.0514, 45.7817, 63.2257



42.5917, 45.7817, 67.3476

Triad

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



40.0514, 45.7817, 63.2257



49.2585, 45.7817, 52.5568



41.5934, 45.7817, 36.3084

Complementary

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



40.0514, 45.7817, 63.2257



42.2341, 39.8521, 31.8529

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.



44.4498, 45.7817, 35.6780



40.0514, 45.7817, 63.2257



48.9620, 45.7817, 44.4705

Square

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



40.0514, 45.7817, 63.2257



47.9638, 45.7817, 60.7513



47.1709, 45.7817, 38.5052



39.3485, 45.7817, 40.3350

Rectangle

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



40.0514, 45.7817, 63.2257



44.5330, 45.7817, 67.2970



47.1709, 45.7817, 38.5052



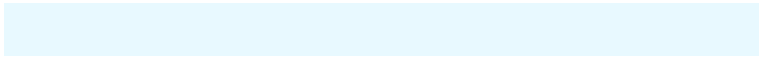
42.5109, 45.7817, 35.7112

Sweetspot

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



40.0528, 45.7835, 63.2268



85.1517, 91.9978, 107.8771



39.1804, 51.1708, 40.9485



17.9045, 19.4272, 23.0561



0.0000, 0.0000, 0.0000



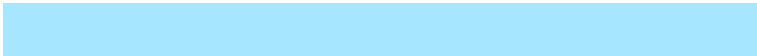
20.3446, 21.4041, 23.3091

Same Dimension

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



40.0528, 45.7835, 63.2268



62.2433, 72.3396, 105.2901



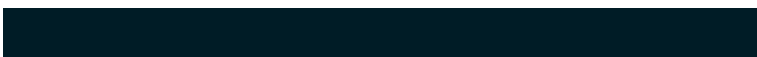
34.4692, 34.6164, 61.3656



11.2760, 12.1925, 14.3294



13.6739, 16.3717, 38.3956



0.7663, 0.9663, 2.0011

Inverse Universe

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



43.5726, 36.2320, 51.7126



69.2263, 54.1998, 82.2659



47.9113, 51.2067, 33.7454



11.5527, 11.3498, 13.4450



19.1128, 9.4557, 18.8447



1.0167, 0.5001, 1.1339

Previews

White Background



This preview shows how the XYZ color 40.0514, 45.7817, 63.2257 looks on a white background.

Color Contrast Check

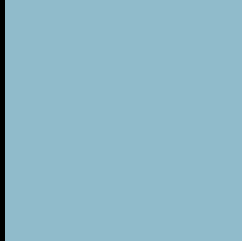
Large Text (above 18pt) WCAG AA × Fail

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 40.0514, 45.7817, 63.2257 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 40.0514, 45.7817, 63.2257

Background



This preview shows how black text looks on a background with the XYZ color 40.0514, 45.7817, 63.2257.



This preview shows how white text looks on a background with the XYZ color 40.0514, 45.7817,

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

40.0514, 45.7817, 63.2257

Protanopia

44.6732, 45.7824, 59.9084

Deuteranopia

46.3570, 45.3820, 64.0739



Tritanopia

39.9326, 45.7342, 62.6000

Trichromacy



Original Color

40.0514, 45.7817, 63.2257

Protanomaly

42.8792, 45.7330, 61.2110

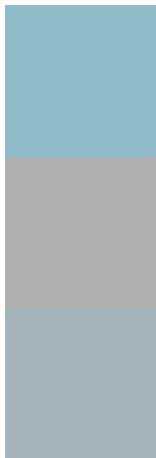
Deuteranomaly

43.5967, 45.1459, 63.5430

Tritanomaly

39.9326, 45.7342, 62.6000

Monochromacy



Original Color

40.0514, 45.7817, 63.2257

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.4940, 44.0802, 52.8284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0514, 45.7817, 63.2257 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(144, 187, 203)` looks like.

```
.text, #text, p{  
    color:rgb(144, 187, 203)  
}
```

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(144, 187, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 187, 203) }
```

Border

The CSS property to change the border of an element to XYZ 40.0514, 45.7817, 63.2257 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(144, 187, 203) }
```


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

```
.border{ border-color:rgb(144, 187, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 187, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 187, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 187, 203);  
box-shadow:4px 4px 4px 4px rgb(144, 187,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0514, 45.7817, 63.2257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 187, 203) }
```

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

```
.background{ background-color: rgb(144,  
187, 203) }
```

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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