

Converting Colors

XYZ(45.2388, 45.3455, 66.0427)

Have a look what the booklet for
XYZ(45.2388, 45.3455, 66.0427)
contains.

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Color

**XYZ(45.2388, 45.3455,
66.0427)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B1D0
RGB	177, 177, 208
RGB Percent	69%, 69%, 82%
CMY	0.3059, 0.3059, 0.1843
CMYK	0.15, 0.15, 0.00, 0.18
HSL	240°, 25%, 75%
HSV	240°, 15%, 82%
XYZ	45.2388, 45.3455, 66.0427
YIQ	180.5340, -9.9510, 9.6410

Conversions

Conversions Part 2

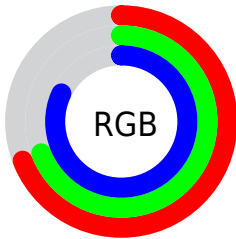
Format	Color
R _Y B	177, 177, 208
Decimal	11645392
CIE Lab	73.12, 6.25, -15.64
CIE LCh	73, 16.848, 291.786
Yxy	45.3455, 0.2888, 0.2895
Android (android.graphics.Color)	4289835472 (0xFFB1B1D0)
YUV	180.5340, 13.5407, -3.0993
Hunter-Lab	67.3391, 2.0740, -11.0112

Details

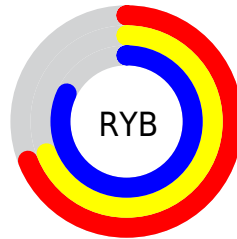
The XYZ color **45.2388, 45.3455, 66.0427** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.5044, 61.6957, 50.5264**, and the grayscale version is **43.6039, 45.8747, 49.9576**.

A 20% lighter version of the original color is **80.7932, 82.8215, 106.3356**, and **21.4785, 21.2854, 33.5483** is the 20% darker color. If you saturate the color by 10%, you get **37.0577, 35.4881, 64.5720**, and if you desaturate by 10%, it is **54.7709, 56.8311, 67.7580**.

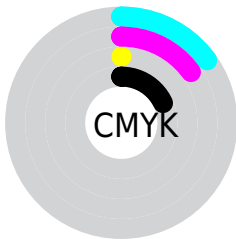
Distribution



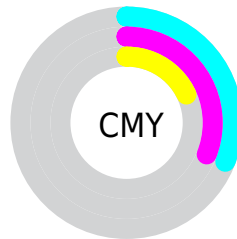
- Red (69%)
- Green (69%)
- Blue (82%)



- Red (69%)
- Yellow (69%)
- Blue (82%)



- Cyan (15%)
- Magenta (15%)
- Yellow (0%)
- Black (18%)



- Cyan (31%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2388, 45.3455, 66.0427 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 45.2388, 45.3455, 66.0427 by changing the saturation by 10% instead.

■ 45.2388, 45.3455,
66.0427

■ 45.2388, 45.3455,
66.0427

358.5073,
368.1710, 464.9380

■ 31.8476, 31.7297,
47.8504

■ 82.3135, 83.2386,
115.1752

■ 21.4001, 21.1551,
33.3493

106.7278,
108.2847, 146.9525

■ 13.5309, 13.2374,
22.1208

135.5471,
137.9096, 184.0951

■ 7.8747, 7.5922,
13.7465

169.1368,
172.4978, 227.0216

■ 4.0660, 3.8352,
7.8079

207.8624,
212.4337, 276.1507

■ 1.7395, 1.5818,
3.8862

252.0891,

■ 0.4808, 0.3453,

258.1016, 331.9007

1.5631

302.1823,
309.8859, 394.6903

■ 0.0000, 0.0000,
0.2643

■ 0.0000, 0.0000,
0.0000

■ 45.2388, 45.3455,
66.0427

■ 45.2388, 45.3455,
66.0427

■ 37.0577, 35.4881,
64.5720

■ 54.7709, 56.8311,
67.7580

■ 30.1626, 27.1801,
63.3317

■ 65.7069, 70.0080,
69.7250

■ 24.4894, 20.3442,
62.3113

■ 78.1018, 84.9426,
71.9544

■ 19.9668, 14.8948,
61.4978

■ 88.3853, 97.3341,
73.8042

■ 16.5163, 10.7371,
60.8772

■ 14.0493, 7.7645,
60.4334

■ 12.4634, 5.8534,
60.1481

■ 11.6334, 4.8532,
59.9988

■ 11.3854, 4.5544,
59.9542

Harmonies

Analogous

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



42.2944, 45.3455, 67.2561



45.2388, 45.3455, 66.0427



47.7107, 45.3455, 60.1173

Triad

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



45.2388, 45.3455, 66.0427



46.7037, 45.3455, 37.6802



37.7268, 45.3455, 47.0894

Complementary

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



45.2388, 45.3455, 66.0427



56.5044, 61.6957, 50.5264

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.



38.7955, 45.3455, 39.9927



45.2388, 45.3455, 66.0427



43.9148, 45.3455, 34.9800

Square

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



45.2388, 45.3455, 66.0427



48.5829, 45.3455, 43.5875



41.0288, 45.3455, 35.7755



38.0451, 45.3455, 55.6502

Rectangle

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



45.2388, 45.3455, 66.0427



48.7140, 45.3455, 54.6260



41.0288, 45.3455, 35.7755



37.9339, 45.3455, 44.4691

Sweetspot

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



45.2402, 45.3474, 66.0437



88.2286, 91.7808, 107.6731



52.0099, 58.9884, 67.9872



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.



45.2402, 45.3474, 66.0437



67.1985, 66.4414, 103.8905



48.8423, 47.2037, 66.2122



11.1638, 11.4178, 14.8591



7.0960, 2.8386, 37.3664



0.3968, 0.1588, 2.0893

Inverse Universe

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



49.6715, 48.0296, 48.2498



75.5864, 71.5186, 70.2091



52.4891, 59.6265, 50.3387



11.8088, 11.8083, 12.2690



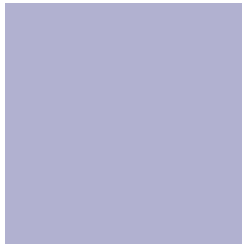
16.2125, 8.3578, 0.7590



0.9065, 0.4673, 0.0425

Previews

White Background



This preview shows how the XYZ color 45.2388, 45.3455, 66.0427 looks on a white background.

Color Contrast Check

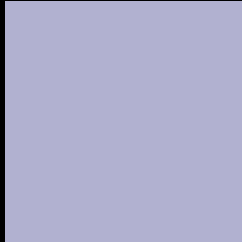
Large Text (above 18pt) WCAG AA × Fail

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 45.2388, 45.3455, 66.0427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

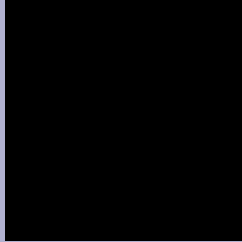
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2388, 45.3455, 66.0427

Background



This preview shows how black text looks on a background with the XYZ color 45.2388, 45.3455, 66.0427.



This preview shows how white text looks on a background with the XYZ color 45.2388, 45.3455,

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

45.2388, 45.3455, 66.0427

Protanopia

44.8846, 45.4429, 66.7273

Deuteranopia

46.2436, 45.2813, 65.9774



Tritanopia

43.3133, 45.1339, 57.4678

Trichromacy



Original Color

45.2388, 45.3455, 66.0427

Protanomaly

45.1082, 45.5582, 66.7378

Deuteranomaly

45.9666, 45.4285, 66.0204

Tritanomaly

43.9084, 45.0783, 60.4196

Monochromacy



Original Color

45.2388, 45.3455, 66.0427

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.5476, 46.1074, 55.8419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2388, 45.3455, 66.0427 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(177, 177, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 177, 208) }
```

Border

The CSS property to change the border of an element to XYZ 45.2388, 45.3455, 66.0427 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, 208) }
```


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

```
.border{ border-color:rgb(177, 177, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 177, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 177, 208);  
box-shadow:4px 4px 4px 4px rgb(177, 177,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2388, 45.3455, 66.0427 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, 208) }
```

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

```
.background{ background-color: rgb(177,  
177, 208) }
```

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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