

Converting Colors

XYZ(44.3457, 45.1644, 80.4682)

Have a look what the booklet for
XYZ(44.3457, 45.1644, 80.4682)
contains.

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Color

**XYZ(44.3635, 45.1664,
80.5085)**

Conversions

Conversions Part 1

Format	Color
Hex	9EB3E5
RGB	158, 179, 229
RGB Percent	62%, 70%, 90%
CMY	0.3804, 0.2980, 0.1020
CMYK	0.31, 0.22, 0.00, 0.10
HSL	222°, 58%, 76%
HSV	222°, 31%, 90%
XYZ	44.3635, 45.1664, 80.5085
YIQ	178.4210, -28.5660, 11.0980

Conversions

Conversions Part 2

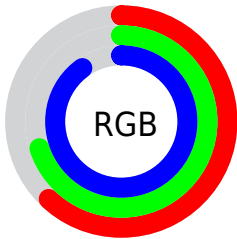
Format	Color
R_{YB}	158, 174, 229
Decimal	10400741
CIE _{Lab}	73.00, 4.23, -27.40
CIE _{LCh}	73, 27.726, 278.766
Yxy	45.1664, 0.2609, 0.2656
Android (android.graphics.Color)	4288590821 (0xFF9EB3E5)
YUV	178.4210, 24.9354, -17.9092
Hunter-Lab	67.2060, 0.2197, -23.9815

Details

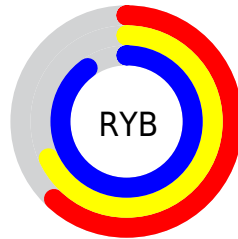
The XYZ color **44.3635, 45.1664, 80.5085** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.0414, 64.2392, 41.5314**, and the grayscale version is **42.4239, 44.6332, 48.6056**.

A 20% lighter version of the original color is **75.4899, 80.9328, 106.2506**, and **20.8294, 20.9421, 42.4796** is the 20% darker color. If you saturate the color by 10%, you get **37.2266, 36.9673, 79.3029**, and if you desaturate by 10%, it is **52.7207, 54.5578, 81.8815**.

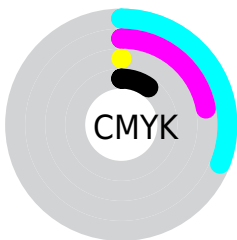
Distribution



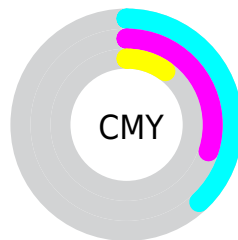
- Red (62%)
- Green (70%)
- Blue (90%)



- Red (62%)
- Yellow (68%)
- Blue (90%)



- Cyan (31%)
- Magenta (22%)
- Yellow (0%)
- Black (10%)



- Cyan (38%)
- Magenta (30%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3635, 45.1664, 80.5085 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 44.3635, 45.1664, 80.5085 by changing the saturation by 10% instead.

■ 44.3635, 45.1664,
80.5085

■ 44.3635, 45.1664,
80.5085

355.0168,
367.4471, 516.3968

■ 31.1555, 31.5885,
59.6083

■ 81.0074, 82.9701,
135.8983

■ 20.8697, 21.0474,
42.6797

■ 105.1740,
107.9646, 171.2249

■ 13.1407, 13.1587,
29.3044

133.7243,
137.5335, 212.1974

■ 7.6032, 7.5379,
19.0636

167.0234,
172.0612, 259.2343

■ 3.8918, 3.8007,
11.5390

205.4369,
211.9320, 312.7541

■ 1.6411, 1.5627,
6.3119

249.3301,

■ 0.4190, 0.3323,

257.5303, 373.1754

2.9638

299.0682,
309.2405, 440.9168

■ 0.0000, 0.0000,
1.0762

■ 0.0000, 0.0000,
0.0000

■ 44.3635, 45.1664,
80.5085

■ 44.3635, 45.1664,
80.5085

■ 37.2266, 36.9673,
79.3029

■ 52.7207, 54.5578,
81.8815

■ 31.2459, 29.9051,
78.2549

■ 62.3491, 65.1829,
83.4249

■ 26.3578, 23.9277,
77.3588

■ 73.3022, 77.0880,
85.1455

■ 22.4905, 18.9765,
76.6070

■ 85.6289, 90.3148,
87.0489

■ 19.5629, 14.9865,
75.9911

■ 91.1430, 98.4372,
88.3260

■ 17.4796, 11.8837,
75.5020

■ 16.1941, 9.7594,
75.1597

Harmonies

Analogous

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



39.6457, 45.1664, 78.4451



44.3635, 45.1664, 80.5085



49.0250, 45.1664, 73.0287

Triad

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



44.3635, 45.1664, 80.5085



50.6033, 45.1664, 34.3046



34.8248, 45.1664, 40.1420

Complementary

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



44.3635, 45.1664, 80.5085



61.0414, 64.2392, 41.5314

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.



37.3611, 45.1664, 31.1846



44.3635, 45.1664, 80.5085



46.3894, 45.1664, 28.2811

Square

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



44.3635, 45.1664, 80.5085



52.8011, 45.1664, 45.2269



41.5264, 45.1664, 27.2576



34.3717, 45.1664, 53.3539

Rectangle

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



44.3635, 45.1664, 80.5085



51.3900, 45.1664, 64.3364



41.5264, 45.1664, 27.2576



35.4523, 45.1664, 36.6106

Sweetspot

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



44.3650, 45.1682, 80.5095



82.1641, 86.0225, 106.8812



53.4693, 67.8480, 69.7601



17.1689, 17.9560, 22.8109



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.



44.3650, 45.1682, 80.5095



50.7800, 50.9657, 101.7687



43.4283, 38.9057, 79.3501



13.9285, 14.5784, 18.2241



9.3501, 5.7623, 43.0026



0.7696, 0.5831, 3.2040

Inverse Universe

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



52.6779, 44.3678, 48.4370



63.0611, 50.2825, 54.2743



62.1575, 72.9250, 43.1491



14.5515, 14.4378, 15.8386



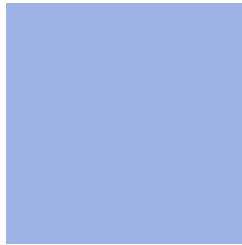
19.1130, 9.7794, 4.2240



1.4521, 0.7385, 0.5211

Previews

White Background



This preview shows how the XYZ color 44.3635, 45.1664, 80.5085 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 44.3635, 45.1664, 80.5085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

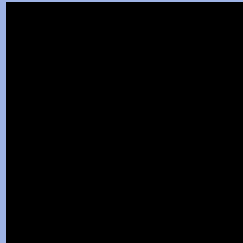
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.3635, 45.1664, 80.5085

Background



This preview shows how black text looks on a background with the XYZ color 44.3635, 45.1664, 80.5085.



This preview shows how white text looks on a background with the XYZ color 44.3635, 45.1664,

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

44.3635, 45.1664, 80.5085

Protanopia

45.4516, 45.1527, 79.7186

Deuteranopia

46.1704, 45.1989, 81.1537



Tritanopia

40.2118, 44.9838, 60.5962

Trichromacy



Original Color

44.3635, 45.1664, 80.5085

Protanomaly

45.0282, 45.2288, 79.7556

Deuteranomaly

45.5221, 45.1568, 81.1798

Tritanomaly

41.6872, 44.9791, 67.4574

Monochromacy



Original Color

44.3635, 45.1664, 80.5085

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.7930, 44.5299, 59.1630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3635, 45.1664, 80.5085 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(158, 179, 229)` looks like.

```
.text, #text, p{  
    color:rgb(158, 179, 229)  
}
```

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(158, 179, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 179, 229) }
```

Border

The CSS property to change the border of an element to XYZ 44.3635, 45.1664, 80.5085 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(158, 179, 229) }
```


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

```
.border{ border-color:rgb(158, 179, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 179, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 179, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 179, 229);  
box-shadow:4px 4px 4px 4px rgb(158, 179,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3635, 45.1664, 80.5085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 179, 229) }
```

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

```
.background{ background-color: rgb(158,  
179, 229) }
```

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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