

Converting Colors

XYZ(45.0180, 49.8825, 80.5017)

Have a look what the booklet for
XYZ(45.0180, 49.8825, 80.5017)
contains.

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Color

**XYZ(45.1062, 49.9444,
80.6617)**

Conversions

Conversions Part 1

Format	Color
Hex	93C1E4
RGB	147, 193, 228
RGB Percent	58%, 76%, 89%
CMY	0.4235, 0.2431, 0.1059
CMYK	0.36, 0.15, 0.00, 0.11
HSL	206°, 60%, 74%
HSV	206°, 36%, 89%
XYZ	45.1062, 49.9444, 80.6617
YIQ	183.2360, -38.6510, 1.1330

Conversions

Conversions Part 2

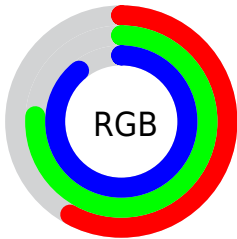
Format	Color
R_{YB}	147, 176, 228
Decimal	9683428
CIE _{Lab}	76.04, -6.70, -22.29
CIE _{LCh}	76, 23.271, 253.270
Yxy	49.9444, 0.2567, 0.2842
Android (android.graphics.Color)	4287873508 (0xFF93C1E4)
YUV	183.2360, 22.0687, -31.7790
Hunter-Lab	70.6714, -9.7467, -18.2015

Details

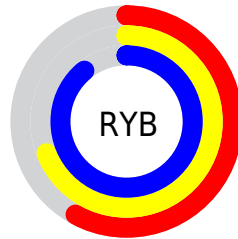
The XYZ color **45.1062, 49.9444, 80.6617** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.9903, 52.0574, 34.8078**, and the grayscale version is **45.0384, 47.3839, 51.6011**.

A 20% lighter version of the original color is **76.5543, 87.6679, 107.4945**, and **21.3387, 24.0619, 42.5495** is the 20% darker color. If you saturate the color by 10%, you get **39.3102, 43.8314, 79.7881**, and if you desaturate by 10%, it is **51.8607, 56.7691, 81.6239**.

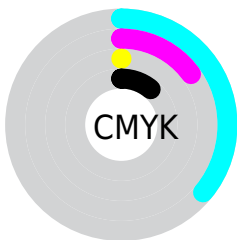
Distribution



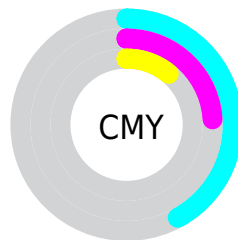
- Red (58%)
- Green (76%)
- Blue (89%)



- Red (58%)
- Yellow (69%)
- Blue (89%)



- Cyan (36%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)



- Cyan (42%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1062, 49.9444, 80.6617 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 45.1062, 49.9444, 80.6617 by changing the saturation by 10% instead.

■ 45.1062, 49.9444,
80.6617

■ 45.1062, 49.9444,
80.6617

357.9800,
386.4485, 516.9255

■ 31.7427, 35.3692,
59.7337

■ 82.1158, 90.0925,
136.1154

■ 21.3197, 23.9474,
42.7801

■ 106.4927,
116.4342, 171.4782

■ 13.4716, 15.2946,
29.3825

135.2714,
147.4669, 212.4896

■ 7.8334, 9.0264,
19.1223

168.8173,
183.5749, 259.5682

■ 4.0394, 4.7584,
11.5810

207.4958,
225.1427, 313.1326

■ 1.7245, 2.1062,
6.3400

251.6721,

■ 0.4715, 0.6681,

272.5546, 373.6012

2.9808

301.7117,
326.1951, 441.3927

■ 0.0000, 0.0000,
1.0848

■ 0.0000, 0.0000,
0.0000

■ 45.1062, 49.9444,
80.6617

■ 45.1062, 49.9444,
80.6617

■ 39.3102, 43.8314,
79.7881

■ 51.8607, 56.7691,
81.6239

■ 34.4171, 38.3940,
78.9965

■ 59.6158, 64.3280,
82.6742

■ 30.3723, 33.6008,
78.2845

■ 68.4167, 72.6494,
83.8165

■ 27.1129, 29.4150,
77.6484

■ 78.3044, 81.7582,
85.0535

■ 24.5658, 25.7944,
77.0837

■ 87.0738, 90.5215,
86.2828

■ 22.6419, 22.6882,
76.5856

■ 90.0897, 96.5533,
87.2881

■ 21.9181, 21.4302,
76.3809

■ 91.0038, 98.3815,
87.5928

Harmonies

Analogous

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



41.6440, 49.9444, 72.4835



45.1062, 49.9444, 80.6617



49.4141, 49.9444, 81.1491

Triad

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



45.1062, 49.9444, 80.6617



56.0746, 49.9444, 49.0722



41.9718, 49.9444, 38.7543

Complementary

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



45.1062, 49.9444, 80.6617



53.9903, 52.0574, 34.8078

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.



45.5789, 49.9444, 34.2604



45.1062, 49.9444, 80.6617



53.8170, 49.9444, 39.5752

Square

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



45.1062, 49.9444, 80.6617



55.9288, 49.9444, 61.5631



49.9163, 49.9444, 34.5359



39.9114, 49.9444, 47.7804

Rectangle

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



45.1062, 49.9444, 80.6617



52.2025, 49.9444, 76.9376



49.9163, 49.9444, 34.5359



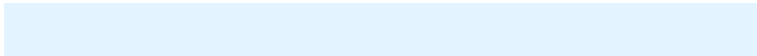
43.0338, 49.9444, 36.7298

Sweetspot

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



45.1078, 49.9463, 80.6629



81.7275, 87.5722, 107.2034



48.0922, 65.0169, 53.5979



17.1668, 18.4345, 22.9034



0.0000, 0.0000, 0.0000



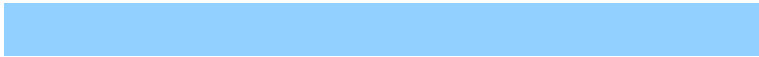
20.3446, 21.4041, 23.3091

Same Dimension

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



45.1078, 49.9463, 80.6629



52.2526, 58.1992, 103.0873



37.5520, 34.8348, 78.1443



14.2588, 15.2389, 18.3342



12.7762, 12.6144, 44.1446



1.0360, 1.1160, 3.2928

Inverse Universe

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



52.0556, 41.2132, 55.6654



62.7577, 46.1534, 65.0317



63.1849, 70.4467, 37.8727



14.7182, 14.5045, 16.7164



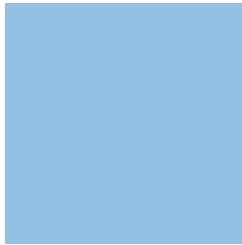
20.8423, 10.4711, 13.3305



1.5866, 0.7923, 1.2294

Previews

White Background



This preview shows how the XYZ color 45.1062, 49.9444, 80.6617 looks on a white background.

Color Contrast Check

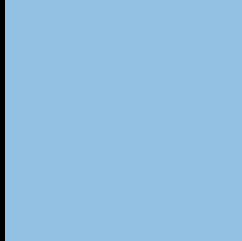
Large Text (above 18pt) WCAG AA × Fail

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 45.1062, 49.9444, 80.6617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

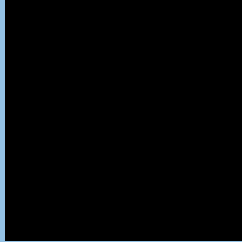
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.1062, 49.9444, 80.6617

Background



This preview shows how black text looks on a background with the XYZ color 45.1062, 49.9444, 80.6617.



This preview shows how white text looks on a background with the XYZ color 45.1062, 49.9444,

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

45.1062, 49.9444, 80.6617

Protanopia

49.2587, 49.6093, 76.7914

Deuteranopia

50.7449, 49.6474, 81.7713



Tritanopia

42.9513, 50.0730, 69.6886

Trichromacy



Original Color

45.1062, 49.9444, 80.6617

Protanomaly

47.5102, 49.6182, 78.3074

Deuteranomaly

48.4907, 49.7438, 81.1745

Tritanomaly

43.6716, 50.0215, 73.6830

Monochromacy



Original Color

45.1062, 49.9444, 80.6617

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.6567, 48.2102, 60.9847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1062, 49.9444, 80.6617 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(147, 193, 228)` looks like.

```
.text, #text, p{  
    color:rgb(147, 193, 228)  
}
```

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(147, 193, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 193, 228) }
```

Border

The CSS property to change the border of an element to XYZ 45.1062, 49.9444, 80.6617 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(147, 193, 228) }
```


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

```
.border{ border-color:rgb(147, 193, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 193, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 193, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 193, 228); box-shadow:4px 4px 4px 4px rgb(147, 193, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1062, 49.9444, 80.6617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 193, 228) }
```

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

```
.background{ background-color: rgb(147,  
193, 228) }
```

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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