

Converting Colors

XYZ(45.7160, 45.9620, 89.6811)

Have a look what the booklet for
XYZ(45.7160, 45.9620, 89.6811)
contains.

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Color

**XYZ(45.7160, 45.9620,
89.6811)**

Conversions

Conversions Part 1

Format	Color
Hex	9BB4F1
RGB	155, 180, 241
RGB Percent	61%, 71%, 95%
CMY	0.3921, 0.2941, 0.0549
CMYK	0.36, 0.25, 0.00, 0.05
HSL	223°, 75%, 78%
HSV	223°, 36%, 95%
XYZ	45.7160, 45.9620, 89.6811
YIQ	179.4790, -34.4810, 13.6710

Conversions

Conversions Part 2

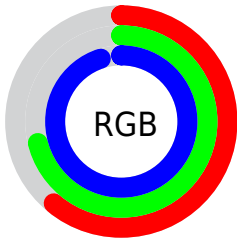
Format	Color
RYB	155, 174, 241
Decimal	10204401
CIELab	73.52, 5.89, -33.13
CIElCh	74, 33.648, 280.078
Yxy	45.9620, 0.2521, 0.2534
Android (android.graphics.Color)	4288394481 (0xFF9BB4F1)
YUV	179.4790, 30.3299, -21.4681
Hunter-Lab	67.7953, 1.7251, -30.9734

Details

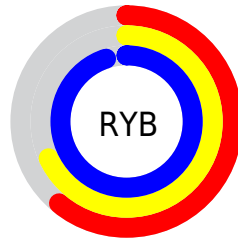
The XYZ color **45.7160, 45.9620, 89.6811** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **66.7488, 70.1799, 41.0400**, and the grayscale version is **42.9609, 45.1982, 49.2208**.

A 20% lighter version of the original color is **74.9094, 81.0598, 106.3057**, and **21.7132, 21.4482, 48.8945** is the 20% darker color. If you saturate the color by 10%, you get **38.3036, 37.3307, 88.4066**, and if you desaturate by 10%, it is **54.4801, 55.9238, 91.1428**.

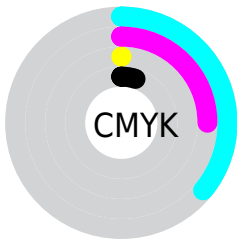
Distribution



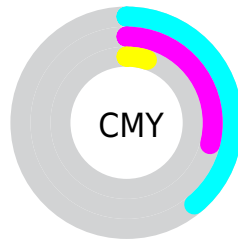
- Red (61%)
- Green (71%)
- Blue (95%)



- Red (61%)
- Yellow (68%)
- Blue (95%)



- Cyan (36%)
- Magenta (25%)
- Yellow (0%)
- Black (5%)



- Cyan (39%)
- Magenta (29%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7160, 45.9620, 89.6811 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 45.7160, 45.9620, 89.6811 by changing the saturation by 10% instead.

■ 45.7160, 45.9620,
89.6811

■ 45.7160, 45.9620,
89.6811

360.4008,
370.6559, 547.5362

■ 32.2254, 32.2158,
67.1440

■ 83.0243, 84.1621,
148.8270

■ 21.6901, 21.5264,
48.7393

■ 107.5727,
109.3849, 186.2728

■ 13.7447, 13.5093,
34.0486

136.5378,
139.2019, 229.5253

■ 8.0238, 7.7802,
22.6533

170.2849,
173.9977, 279.0030

■ 4.1621, 3.9546,
14.1348

209.1794,
214.1566, 335.1243

■ 1.7943, 1.6482,
8.0747

253.5867,

■ 0.5142, 0.3898,

260.0630, 398.3080

4.0543

303.8720,
312.1013, 468.9724

■ 0.0000, 0.0000,
1.6552

■ 0.0000, 0.0000,
0.3297

■ 45.7160, 45.9620,
89.6811

■ 45.7160, 45.9620,
89.6811

■ 38.3036, 37.3307,
88.4066

■ 54.4801, 55.9238,
91.1428

■ 32.1676, 29.9654,
87.3084

■ 64.6566, 67.2663,
92.7958

■ 27.2321, 23.8036,
86.3791

■ 76.3078, 80.0432,
94.6479

■ 23.4106, 18.7749,
85.6099

■ 89.4910, 94.3039,
96.7056

■ 20.6040, 14.8002,
84.9906

■ 92.8773, 99.1309,
97.4589

■ 18.6923, 11.7875,
84.5099

■ 18.0713, 10.7388,
84.3402

Harmonies

Analogous

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



39.9060, 45.9620, 87.5536



45.7160, 45.9620, 89.6811



51.4642, 45.9620, 79.4984

Triad

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



45.7160, 45.9620, 89.6811



53.0265, 45.9620, 31.7917



33.7979, 45.9620, 39.7004

Complementary

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



45.7160, 45.9620, 89.6811



66.7488, 70.1799, 41.0400

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.



36.7330, 45.9620, 28.9463



45.7160, 45.9620, 89.6811



47.6964, 45.9620, 25.1496

Square

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



45.7160, 45.9620, 89.6811



55.9311, 45.9620, 44.5332



41.7160, 45.9620, 24.2419



33.3720, 45.9620, 55.9934

Rectangle

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



45.7160, 45.9620, 89.6811



54.3579, 45.9620, 68.2108



41.7160, 45.9620, 24.2419



34.5103, 45.9620, 35.4296

Sweetspot

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



45.7175, 45.9638, 89.6822



79.4510, 83.0192, 106.4445



57.2655, 74.7968, 75.8450



16.6254, 17.3517, 22.7229



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.



45.7175, 45.9638, 89.6822



45.5556, 44.8051, 100.8550



44.6571, 38.5885, 88.3145



15.2716, 15.9773, 20.0006



9.9000, 6.0243, 45.7689



0.9062, 0.6663, 3.8351

Inverse Universe

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



56.2365, 45.4403, 48.9887



59.3773, 44.8013, 47.2310



68.0513, 81.0935, 43.0779



15.9618, 15.8344, 17.3550



20.3227, 10.4015, 4.3499



1.7323, 0.8820, 0.5813

Previews

White Background



This preview shows how the XYZ color 45.7160, 45.9620, 89.6811 looks on a white background.

Color Contrast Check

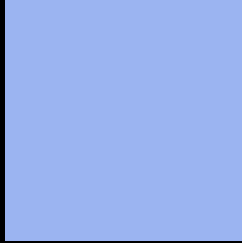
Large Text (above 18pt) WCAG AA × Fail

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 45.7160, 45.9620, 89.6811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

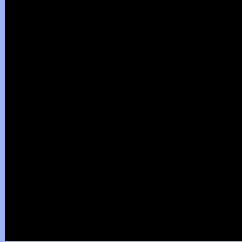
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7160, 45.9620, 89.6811

Background



This preview shows how black text looks on a background with the XYZ color 45.7160, 45.9620, 89.6811.



This preview shows how white text looks on a background with the XYZ color 45.7160, 45.9620,

89.6811.

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

45.7160, 45.9620, 89.6811

Protanopia

46.6046, 45.8593, 88.0568

Deuteranopia

47.2572, 46.1441, 90.4204



Tritanopia

40.2851, 45.9159, 62.6165

Trichromacy



Original Color

45.7160, 45.9620, 89.6811

Protanomaly

46.3455, 46.0051, 88.8753

Deuteranomaly

46.8451, 46.2281, 90.4583

Tritanomaly

41.9296, 45.6284, 71.5630

Monochromacy



Original Color

45.7160, 45.9620, 89.6811

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.3583, 45.0505, 62.2875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7160, 45.9620, 89.6811 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(155, 180, 241)` looks like.

```
.text, #text, p{  
    color:rgb(155, 180, 241)  
}
```

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(155, 180, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 180, 241) }
```

Border

The CSS property to change the border of an element to XYZ 45.7160, 45.9620, 89.6811 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(155, 180, 241) }
```


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

```
.border{ border-color:rgb(155, 180, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 180, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 180, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 180, 241);  
box-shadow:4px 4px 4px 4px rgb(155, 180,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7160, 45.9620, 89.6811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 180, 241) }
```

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

```
.background{ background-color: rgb(155,  
180, 241) }
```

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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