

Converting Colors

XYZ(35.3880, 34.9352, 78.0302)

Have a look what the booklet for
XYZ(35.3880, 34.9352, 78.0302)
contains.

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Color

**XYZ(35.4550, 35.0648,
78.2983)**

Conversions

Conversions Part 1

Format	Color
Hex	819FE4
RGB	129, 159, 228
RGB Percent	51%, 62%, 89%
CMY	0.4941, 0.3765, 0.1059
CMYK	0.43, 0.30, 0.00, 0.11
HSL	222°, 65%, 70%
HSV	222°, 43%, 89%
XYZ	35.4550, 35.0648, 78.2983
YIQ	157.8960, -40.0290, 15.0990

Conversions

Conversions Part 2

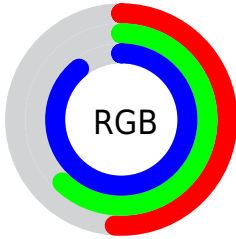
Format	Color
RYB	129, 152, 228
Decimal	8495076
CIELab	65.80, 7.35, -38.15
CIELCh	66, 38.850, 280.900
Yxy	35.0648, 0.2382, 0.2356
Android (android.graphics.Color)	4286685156 (0xFF819FE4)
YUV	157.8960, 34.5613, -25.3418
Hunter-Lab	59.2155, 3.2488, -36.9459

Details

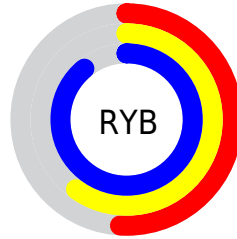
The XYZ color **35.4550, 35.0648, 78.2983** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.1528, 58.4688, 29.0965**, and the grayscale version is **32.3147, 33.9976, 37.0234**.

A 20% lighter version of the original color is **61.8518, 65.1228, 103.9178**, and **15.5566, 15.1201, 41.1283** is the 20% darker color. If you saturate the color by 10%, you get **29.8111, 28.3565, 77.3016**, and if you desaturate by 10%, it is **42.2254, 42.8766, 79.4500**.

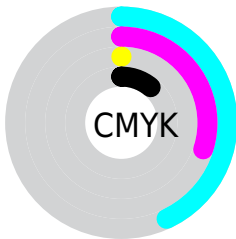
Distribution



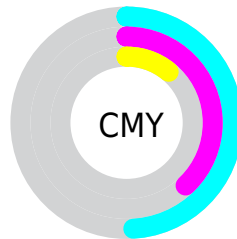
- Red (51%)
- Green (62%)
- Blue (89%)



- Red (51%)
- Yellow (60%)
- Blue (89%)



- Cyan (43%)
- Magenta (30%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (38%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4550, 35.0648, 78.2983 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 35.4550, 35.0648, 78.2983 by changing the saturation by 10% instead.

■ 35.4550, 35.0648,
78.2983

■ 35.4550, 35.0648,
78.2983

318.0451,
324.8543, 508.7340

■ 24.1817, 23.7128,
57.8012

■ 67.5194, 67.5861,
132.7602

■ 15.5939, 15.1207,
41.2352

■ 89.0413, 89.5243,
167.5621

■ 9.3263, 8.9041,
28.1818

■ 114.7101,
115.7599, 207.9693

■ 5.0134, 4.6787,
18.2225

144.8911,
146.6774, 254.4004

■ 2.2900, 2.0600,
10.9388

179.9498,
182.6612, 307.2738

■ 0.7895, 0.6420,
5.9120

220.2514,

■ 0.0000, 0.0000,

224.0957, 367.0082

2.7237

266.1614,
271.3652, 434.0221

■ 0.0000, 0.0000,
0.9553

■ 0.0000, 0.0000,
0.0000

■ 35.4550, 35.0648,
78.2983

■ 35.4550, 35.0648,
78.2983

■ 29.8111, 28.3565,
77.3016

■ 42.2254, 42.8766,
79.4500

■ 25.2246, 22.6946,
76.4505

■ 50.1783, 51.8376,
80.7604

■ 21.6243, 18.0218,
75.7383

■ 59.3703, 61.9954,
82.2366

■ 18.9276, 14.2733,
75.1569

■ 69.8532, 73.3936,
83.8842

■ 17.0363, 11.3742,
74.6970

■ 81.6758, 86.0735,
85.7085

■ 16.1373, 9.8687,
74.4538

■ 90.7966, 97.9673,
87.5235

■ 91.0037, 98.3815,
87.5926

Harmonies

Analogous

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



29.8515, 35.0648, 76.4285



35.4550, 35.0648, 78.2983



41.0742, 35.0648, 67.3382

Triad

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



35.4550, 35.0648, 78.2983



42.3680, 35.0648, 21.0233



23.9639, 35.0648, 28.7580

Complementary

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



35.4550, 35.0648, 78.2983



56.1528, 58.4688, 29.0965

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.



26.6227, 35.0648, 18.9521



35.4550, 35.0648, 78.2983



37.0645, 35.0648, 15.4524

Square

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



35.4550, 35.0648, 78.2983



45.3589, 35.0648, 32.5187



31.2879, 35.0648, 14.8222



23.6382, 35.0648, 44.4621

Rectangle

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



35.4550, 35.0648, 78.2983



43.9109, 35.0648, 55.6718



31.2879, 35.0648, 14.8222



24.5988, 35.0648, 24.7988

Sweetspot

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



35.4562, 35.0661, 78.2991



76.9554, 80.3801, 106.0667



46.8358, 64.1701, 62.5321



15.8755, 16.5506, 22.6078



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.



35.4562, 35.0661, 78.2991



39.1556, 37.4325, 99.7692



33.9148, 27.5205, 76.9239



13.9371, 14.5957, 18.2270



9.4095, 5.8811, 43.0224



0.7748, 0.5936, 3.2057

Inverse Universe

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



46.1043, 34.6992, 37.0696



54.8221, 37.9068, 38.8808



58.2425, 70.7523, 31.3573



14.5559, 14.4395, 15.8616



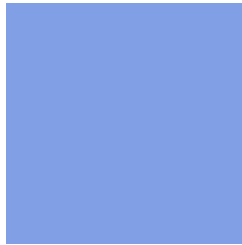
19.1430, 9.7914, 4.3820



1.4547, 0.7396, 0.5352

Previews

White Background



This preview shows how the XYZ color 35.4550, 35.0648, 78.2983 looks on a white background.

Color Contrast Check

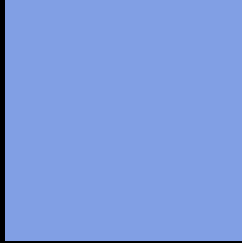
Large Text (above 18pt) WCAG AA × Fail

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 35.4550, 35.0648, 78.2983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

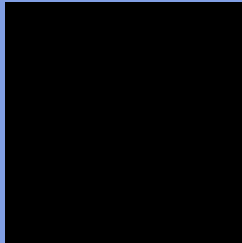
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.4550, 35.0648, 78.2983

Background



This preview shows how black text looks on a background with the XYZ color 35.4550, 35.0648, 78.2983.



This preview shows how white text looks on a background with the XYZ color 35.4550, 35.0648,

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

35.4550, 35.0648, 78.2983

Protanopia

36.2657, 35.0082, 76.7974

Deuteranopia

35.9033, 35.0417, 78.2702



Tritanopia

29.5456, 35.0545, 48.9250

Trichromacy



Original Color

35.4550, 35.0648, 78.2983

Protanomaly

36.0837, 35.1507, 77.5560

Deuteranomaly

35.7462, 34.9607, 78.2629

Tritanomaly

31.5333, 35.0524, 58.5299

Monochromacy



Original Color

35.4550, 35.0648, 78.2983

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.8067, 34.0757, 49.6479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4550, 35.0648, 78.2983 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(129, 159, 228)` looks like.

```
.text, #text, p{  
    color:rgb(129, 159, 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(129, 159, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 159, 228) }
```

Border

The CSS property to change the border of an element to XYZ 35.4550, 35.0648, 78.2983 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(129, 159, 228) }
```


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

```
.border{ border-color:rgb(129, 159, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 159, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 159, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 159, 228);  
box-shadow:4px 4px 4px 4px rgb(129, 159,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4550, 35.0648, 78.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 159, 228) }
```

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

```
.background{ background-color: rgb(129,  
159, 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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