

Converting Colors

XYZ(27.6657, 27.7294, 78.8753)

Have a look what the booklet for
XYZ(27.6657, 27.7294, 78.8753)
contains.

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Color

**XYZ(27.5502, 27.5837,
78.7350)**

Conversions

Conversions Part 1

Format	Color
Hex	4E91E6
RGB	78, 145, 230
RGB Percent	31%, 57%, 90%
CMY	0.6941, 0.4314, 0.0980
CMYK	0.66, 0.37, 0.00, 0.10
HSL	214°, 75%, 60%
HSV	214°, 66%, 90%
XYZ	27.5502, 27.5837, 78.7350
YIQ	134.6570, -67.2170, 12.2310

Conversions

Conversions Part 2

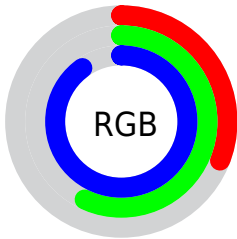
Format	Color
RYB	78, 125, 230
Decimal	5149158
CIELab	59.51, 5.42, -49.32
CIElCh	60, 49.621, 276.276
Yxy	27.5837, 0.2058, 0.2061
Android (android.graphics.Color)	4283339238 (0xFF4E91E6)
YUV	134.6570, 47.0041, -49.6882
Hunter-Lab	52.5202, 1.7244, -52.1198

Details

The XYZ color **27.5502, 27.5837, 78.7350** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **47.1074, 43.5704, 13.1364**, and the grayscale version is **22.7530, 23.9379, 26.0684**.

A 20% lighter version of the original color is **49.2286, 53.2709, 102.2954**, and **11.7322, 11.2404, 41.5957** is the 20% darker color. If you saturate the color by 10%, you get **24.1292, 23.0660, 78.0439**, and if you desaturate by 10%, it is **31.8545, 32.8878, 79.5325**.

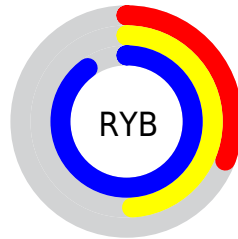
Distribution



Red (31%)

Green (57%)

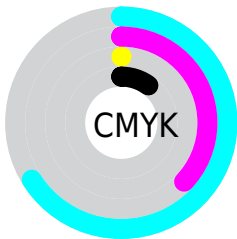
Blue (90%)



Red (31%)

Yellow (49%)

Blue (90%)

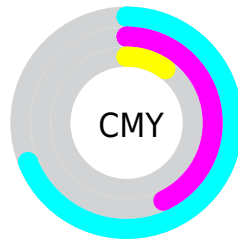


Cyan (66%)

Magenta (37%)

Yellow (0%)

Black (10%)



Cyan (69%)

Magenta (43%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5502, 27.5837, 78.7350 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 27.5502, 27.5837, 78.7350 by changing the saturation by 10% instead.

■ 27.5502, 27.5837,
78.7350

■ 27.5502, 27.5837,
78.7350

282.4305,
290.4723, 510.2533

■ 18.1256, 18.0121,
58.1579

■ 55.1792, 55.8191,
133.3810

■ 11.1404, 10.9587,
41.5201

■ 74.1143, 75.2517,
168.2870

■ 6.2294, 6.0390,
28.4029

■ 96.9502, 98.7400,
208.8064

■ 3.0270, 2.8688,
18.3879

■ 124.0524,
126.6686, 255.3578

■ 1.1681, 1.0636,
11.0565

155.7862,
159.4217, 308.3596

■ 0.0809, 0.0000,
5.9902

192.5169,

■ 0.0000, 0.0000,

197.3837, 368.2304

2.7704

234.6099,
240.9391, 435.3888

■ 0.0000, 0.0000,
0.9787

■ 0.0000, 0.0000,
0.0000

■ 27.5502, 27.5837,
78.7350

■ 27.5502, 27.5837,
78.7350

■ 24.1292, 23.0660,
78.0439

■ 31.8545, 32.8878,
79.5325

■ 21.5088, 19.2801,
77.4512

■ 37.1078, 39.0216,
80.4396

■ 19.5927, 16.1651,
76.9510

■ 43.3724, 46.0275,
81.4617

■ 18.9734, 15.0939,
76.7769

■ 50.7044, 53.9440,
82.6033

■ 59.1551, 62.8069,
83.8686

■ 68.7727, 72.6497,
85.2615

■ 79.6021, 83.5042,
86.7859

■ 89.0600, 94.0471,
88.3224

■ 91.2830, 98.4932,
89.0634

Harmonies

Analogous

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



21.6829, 27.5837, 73.7191



27.5502, 27.5837, 78.7350



33.9714, 27.5837, 67.0972

Triad

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



27.5502, 27.5837, 78.7350



37.1212, 27.5837, 13.9528



16.7007, 27.5837, 18.2276

Complementary

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



27.5502, 27.5837, 78.7350



47.1074, 43.5704, 13.1364

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.



19.7435, 27.5837, 9.9842



27.5502, 27.5837, 78.7350



31.3439, 27.5837, 8.2889

Square

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



27.5502, 27.5837, 78.7350



40.0341, 27.5837, 26.4343



24.9284, 27.5837, 7.1977



16.0134, 27.5837, 33.9464

Rectangle

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



27.5502, 27.5837, 78.7350



37.5086, 27.5837, 53.4193



24.9284, 27.5837, 7.1977



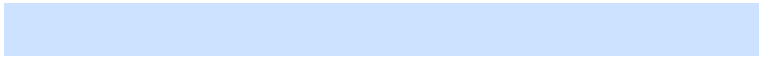
17.4555, 27.5837, 14.7177

Sweetspot

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



27.5513, 27.5846, 78.7357



70.2787, 74.7110, 105.3243



37.9261, 60.8087, 43.7366



14.4004, 15.3169, 22.4474



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.



27.5513, 27.5846, 78.7357



29.2713, 27.4400, 98.3614



20.8098, 13.1231, 76.2997



14.1030, 14.9274, 18.2823



10.8589, 8.7799, 43.5055



0.8937, 0.8313, 3.2453

Inverse Universe

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



40.4693, 24.3175, 29.3495



47.4466, 25.8199, 28.2093



59.9197, 72.7372, 18.0909



14.6396, 14.4730, 16.3024



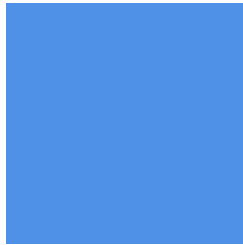
19.8746, 10.0841, 8.2345



1.5147, 0.7636, 0.8511

Previews

White Background



This preview shows how the XYZ color 27.5502, 27.5837, 78.7350 looks on a white background.

Color Contrast Check

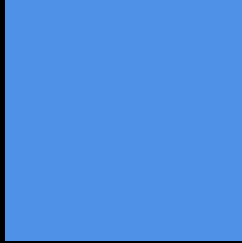
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5502, 27.5837, 78.7350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

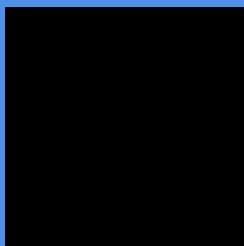
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

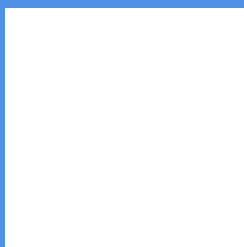
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.5502, 27.5837, 78.7350

Background



This preview shows how black text looks on a background with the XYZ color 27.5502, 27.5837, 78.7350.



This preview shows how white text looks on a background with the XYZ color 27.5502, 27.5837,

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

27.5502, 27.5837, 78.7350

Protanopia

29.3991, 27.5074, 74.9941

Deuteranopia

28.3218, 27.5318, 78.6843



Tritanopia

20.1877, 27.4673, 42.2679

Trichromacy



Original Color

27.5502, 27.5837, 78.7350

Protanomaly

28.5751, 27.4887, 76.4728

Deuteranomaly

28.0939, 27.6381, 78.7169

Tritanomaly

22.4270, 27.3725, 53.9706

Monochromacy



Original Color

27.5502, 27.5837, 78.7350

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.4277, 24.9449, 41.6103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5502, 27.5837, 78.7350 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(78, 145, 230)` looks like.

```
.text, #text, p{  
    color:rgb(78, 145, 230)  
}
```

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(78, 145, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 145, 230) }
```

Border

The CSS property to change the border of an element to XYZ 27.5502, 27.5837, 78.7350 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(78, 145, 230) }
```


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

```
.border{ border-color:rgb(78, 145, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 145, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 145, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 145, 230);  
box-shadow:4px 4px 4px 4px rgb(78, 145,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5502, 27.5837, 78.7350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 145, 230) }
```

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

```
.background{ background-color: rgb(78, 145,  
230) }
```

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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