

Converting Colors

XYZ(27.8575, 23.4440, 90.1596)

Have a look what the booklet for
XYZ(27.8575, 23.4440, 90.1596)
contains.

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Color

**XYZ(27.9332, 23.5540,
90.2629)**

Conversions

Conversions Part 1

Format	Color
Hex	567EF6
RGB	86, 126, 246
RGB Percent	34%, 49%, 96%
CMY	0.6627, 0.5059, 0.0353
CMYK	0.65, 0.49, 0.00, 0.04
HSL	225°, 90%, 65%
HSV	225°, 65%, 96%
XYZ	27.9332, 23.5540, 90.2629
YIQ	127.7200, -62.3600, 28.8400

Conversions

Conversions Part 2

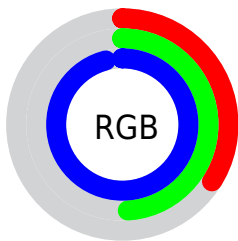
Format	Color
R_{YB}	86, 118, 246
Decimal	5668598
CIE _{Lab}	55.64, 23.64, -64.37
CIE _{LCh}	56, 68.570, 290.168
Yxy	23.5540, 0.1971, 0.1662
Android (android.graphics.Color)	4283858678 (0xFF567EF6)
YUV	127.7200, 58.3120, -36.5884
Hunter-Lab	48.5325, 17.8051, -76.2975

Details

The XYZ color **27.9332, 23.5540, 90.2629** is a light color, and the websafe version is hex **3366CC**. The color can be described as light muted azure. A complement of this color would be **61.7599, 64.4121, 17.9838**, and the grayscale version is **20.2425, 21.2967, 23.1921**.

A 20% lighter version of the original color is **46.5481, 45.5448, 100.9454**, and **11.9097, 9.1229, 49.2773** is the 20% darker color. If you saturate the color by 10%, you get **23.8996, 18.2894, 89.4599**, and if you desaturate by 10%, it is **33.1830, 30.0918, 91.2487**.

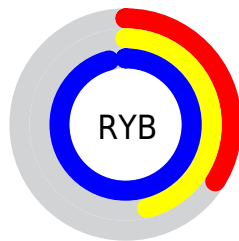
Distribution



Red (34%)

Green (49%)

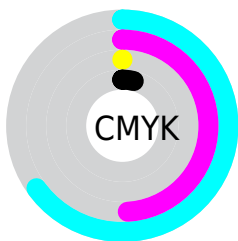
Blue (96%)



Red (34%)

Yellow (46%)

Blue (96%)

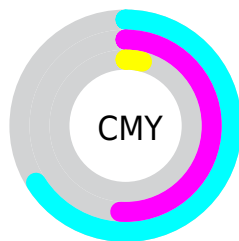


Cyan (65%)

Magenta (49%)

Yellow (0%)

Black (4%)



Cyan (66%)

Magenta (51%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9332, 23.5540, 90.2629 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 27.9332, 23.5540, 90.2629 by changing the saturation by 10% instead.

■ 27.9332, 23.5540,
90.2629

■ 27.9332, 23.5540,
90.2629

284.2335,
270.5578, 549.4778

■ 18.4155, 15.0031,
67.6238

■ 55.7872, 49.3014,
149.6422

■ 11.3502, 8.8216,
49.1269

■ 74.8541, 67.2667,
187.2195

■ 6.3719, 4.6250,
34.3539

■ 97.8349, 89.1389,
230.6133

■ 3.1153, 2.0290,
22.8860

■ 125.0949,
115.3025, 280.2420

■ 1.2150, 0.6242,
14.3049

156.9994,
146.1418, 336.5243

■ 0.1182, 0.0000,
8.1918

193.9137,

■ 0.0000, 0.0000,

182.0412, 399.8787

4.1284

236.2033,
223.3850, 470.7237

■ 0.0000, 0.0000,
1.6961

■ 0.0000, 0.0000,
0.3580

■ 27.9332, 23.5540,
90.2629

■ 27.9332, 23.5540,
90.2629

■ 23.8996, 18.2894,
89.4599

■ 33.1830, 30.0918,
91.2487

■ 20.9714, 14.2049,
88.8258

■ 39.7401, 37.9821,
92.4261

■ 19.0201, 11.1954,
88.3478

■ 47.6898, 47.2998,
93.8056

■ 18.3297, 10.0439,
88.1619

■ 57.1093, 58.1132,
95.3963

■ 68.0698, 70.4864,
97.2069

■ 80.6379, 84.4793,
99.2454

■ 93.6347, 99.4339,
101.4469

Harmonies

Analogous

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



19.9361, 23.5540, 94.9502



27.9332, 23.5540, 90.2629



35.9044, 23.5540, 63.8872

Triad

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



27.9332, 23.5540, 90.2629



33.3636, 23.5540, 4.8421



10.6731, 23.5540, 19.0225

Complementary

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



27.9332, 23.5540, 90.2629



61.7599, 64.4121, 17.9838

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.



12.7764, 23.5540, 6.8628



27.9332, 23.5540, 90.2629



25.0318, 23.5540, 2.3841

Square

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



27.9332, 23.5540, 90.2629



39.5079, 23.5540, 13.5586



17.6289, 23.5540, 2.8166



11.1031, 23.5540, 43.3715

Rectangle

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



27.9332, 23.5540, 90.2629



39.5517, 23.5540, 43.0374



17.6289, 23.5540, 2.8166



11.0844, 23.5540, 13.7135

Sweetspot

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



27.9343, 23.5547, 90.2635



67.6998, 69.5532, 104.4647



47.9355, 72.3472, 69.8323



13.7883, 14.0927, 22.2434



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.



27.9343, 23.5547, 90.2635



24.8217, 18.3340, 96.8383



28.5685, 17.7471, 89.1091



15.9177, 16.5996, 20.9077



9.8767, 5.5472, 47.0882



0.9464, 0.6443, 4.1647

Inverse Universe

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



45.1008, 27.7564, 22.7194



45.2510, 25.1349, 16.0524



60.0905, 79.7062, 21.0239



16.6690, 16.5505, 18.0037



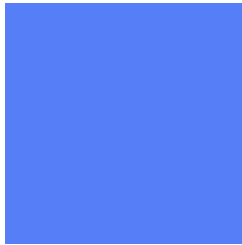
20.7898, 10.6594, 3.6016



1.8668, 0.9527, 0.5248

Previews

White Background



This preview shows how the XYZ color 27.9332, 23.5540, 90.2629 looks on a white background.

Color Contrast Check

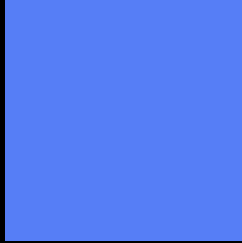
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9332, 23.5540, 90.2629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

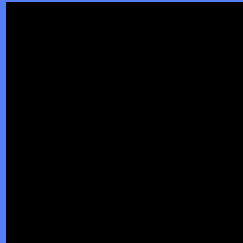
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.9332, 23.5540, 90.2629

Background



This preview shows how black text looks on a background with the XYZ color 27.9332, 23.5540, 90.2629.



This preview shows how white text looks on a background with the XYZ color 27.9332, 23.5540,

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

27.9332, 23.5540, 90.2629

Protanopia

27.2020, 23.5068, 92.7261

Deuteranopia

24.0966, 23.5010, 84.1550



Tritanopia

17.1706, 23.6175, 36.4545

Trichromacy



Original Color

27.9332, 23.5540, 90.2629

Protanomaly

27.4343, 23.4519, 91.8877

Deuteranomaly

24.6935, 23.1447, 86.3850

Tritanomaly

19.9032, 22.8798, 52.6574

Monochromacy



Original Color

27.9332, 23.5540, 90.2629

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.7501, 21.6297, 41.5567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9332, 23.5540, 90.2629 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(86, 126, 246)` looks like.

```
.text, #text, p{  
    color:rgb(86, 126, 246)  
}
```

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(86, 126, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 126, 246) }
```

Border

The CSS property to change the border of an element to XYZ 27.9332, 23.5540, 90.2629 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(86, 126, 246) }
```


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

```
.border{ border-color:rgb(86, 126, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 126, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 126, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 126, 246);  
box-shadow:4px 4px 4px 4px rgb(86, 126,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9332, 23.5540, 90.2629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 126, 246) }
```

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

```
.background{ background-color: rgb(86, 126,  
246) }
```

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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