

Converting Colors

XYZ(27.8883, 27.4046, 86.1718)

Have a look what the booklet for
XYZ(27.8883, 27.4046, 86.1718)
contains.

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Color

**XYZ(27.8814, 27.3616,
86.2499)**

Conversions

Conversions Part 1

Format	Color
Hex	4190F0
RGB	65, 144, 240
RGB Percent	25%, 56%, 94%
CMY	0.7451, 0.4353, 0.0588
CMYK	0.73, 0.40, 0.00, 0.06
HSL	213°, 85%, 60%
HSV	213°, 73%, 94%
XYZ	27.8814, 27.3616, 86.2499
YIQ	131.3230, -77.9000, 13.1080

Conversions

Conversions Part 2

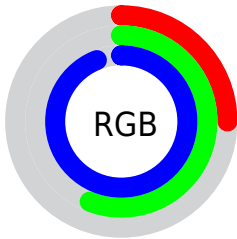
Format	Color
R _{YB}	65, 119, 240
Decimal	4296944
CIE _{Lab}	59.31, 7.62, -55.21
CIE _{LCh}	59, 55.736, 277.859
Yxy	27.3616, 0.1971, 0.1934
Android (android.graphics.Color)	4282487024 (0xFF4190F0)
YUV	131.3230, 53.5778, -58.1653
Hunter-Lab	52.3083, 3.6046, -61.1460

Details

The XYZ color **27.8814, 27.3616, 86.2499** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **49.6368, 44.4010, 10.9570**, and the grayscale version is **21.5248, 22.6457, 24.6612**.

A 20% lighter version of the original color is **47.6891, 52.1391, 102.1581**, and **12.5499, 11.4243, 46.3434** is the 20% darker color. If you saturate the color by 10%, you get **24.7373, 22.9512, 85.5649**, and if you desaturate by 10%, it is **31.9347, 32.5865, 87.0454**.

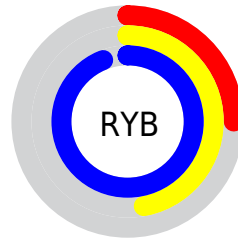
Distribution



Red (25%)

Green (56%)

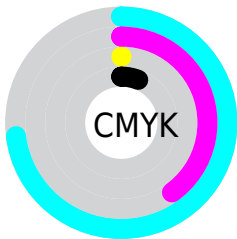
Blue (94%)



Red (25%)

Yellow (47%)

Blue (94%)

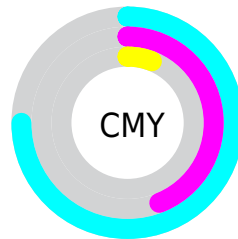


Cyan (73%)

Magenta (40%)

Yellow (0%)

Black (6%)



Cyan (75%)

Magenta (44%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8814, 27.3616, 86.2499 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 27.8814, 27.3616, 86.2499 by changing the saturation by 10% instead.

■ 27.8814, 27.3616,
86.2499

■ 27.8814, 27.3616,
86.2499

283.9901,
289.4037, 536.0069

■ 18.3763, 17.8450,
64.3186

■ 55.7050, 55.4636,
144.0078

■ 11.3218, 10.8387,
46.4609

■ 74.7542, 74.8177,
180.6714

■ 6.3526, 5.9585,
32.2584

■ 97.7154, 98.2198,
223.0829

■ 3.1033, 2.8199,
21.2925

■ 124.9541,
126.0543, 271.6608

■ 1.2086, 1.0384,
13.1446

156.8356,
158.7055, 326.8236

■ 0.1132, 0.0000,
7.3963

193.7252,

■ 0.0000, 0.0000,

196.5579, 388.9898

3.6290

235.9882,
239.9958, 458.5781

■ 0.0000, 0.0000,
1.4241

■ 0.0000, 0.0000,
0.1604

■ 27.8814, 27.3616,
86.2499

■ 27.8814, 27.3616,
86.2499

■ 24.7373, 22.9512,
85.5649

■ 31.9347, 32.5865,
87.0454

■ 22.3991, 19.2895,
84.9814

■ 36.9774, 38.6778,
87.9553

■ 21.1263, 17.0873,
84.6234

■ 43.0838, 45.6847,
88.9860

■ 50.3196, 53.6513,
90.1423

■ 58.7445, 62.6184,
91.4291

■ 68.4142, 72.6241,
92.8507

■ 79.3803, 83.7043,
94.4114

■ 90.9472, 95.5091,
96.0804

■ 92.7283, 99.0713,
96.6741

Harmonies

Analogous

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



21.2771, 27.3616, 81.3314



27.8814, 27.3616, 86.2499



35.1247, 27.3616, 71.5090

Triad

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



27.8814, 27.3616, 86.2499



38.0818, 27.3616, 11.9046



15.4668, 27.3616, 17.5455

Complementary

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



27.8814, 27.3616, 86.2499



49.6368, 44.4010, 10.9570

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.



18.6208, 27.3616, 8.6074



27.8814, 27.3616, 86.2499



31.3891, 27.3616, 6.5123

Square

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



27.8814, 27.3616, 86.2499



41.6621, 27.3616, 24.8482



24.2174, 27.3616, 5.6569



14.8651, 27.3616, 35.3518

Rectangle

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



27.8814, 27.3616, 86.2499



39.0787, 27.3616, 55.2194



24.2174, 27.3616, 5.6569



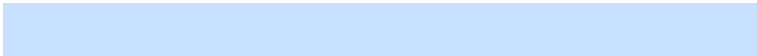
16.2325, 27.3616, 13.6875

Sweetspot

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



27.8825, 27.3625, 86.2506



68.2924, 72.7799, 105.0563



39.5419, 65.9252, 43.1419



14.0177, 14.9480, 22.3964



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.



27.8825, 27.3625, 86.2506



27.1096, 24.4010, 97.8888



20.2065, 11.4070, 83.5755



15.4849, 16.4038, 20.0717



11.6936, 9.6115, 46.3668



1.0708, 0.9957, 3.8900

Inverse Universe

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



42.8606, 24.3210, 28.8215



46.0419, 24.0576, 24.5132



66.1016, 80.2233, 17.0036



16.0694, 15.8775, 17.9218



21.2280, 10.7636, 9.1173



1.8155, 0.9152, 1.0191

Previews

White Background



This preview shows how the XYZ color 27.8814, 27.3616, 86.2499 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 27.8814, 27.3616, 86.2499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

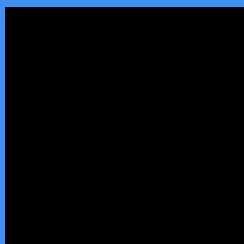
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

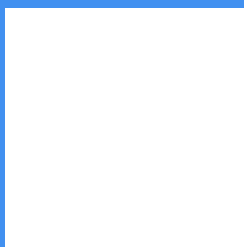
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8814, 27.3616, 86.2499

Background



This preview shows how black text looks on a background with the XYZ color 27.8814, 27.3616, 86.2499.



This preview shows how white text looks on a background with the XYZ color 27.8814, 27.3616,

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

27.8814, 27.3616, 86.2499

Protanopia

29.7075, 27.2882, 82.2987

Deuteranopia

28.2231, 27.3139, 86.2227



Tritanopia

19.4826, 27.3560, 42.2836

Trichromacy



Original Color

27.8814, 27.3616, 86.2499

Protanomaly

28.9308, 27.2880, 83.8631

Deuteranomaly

28.0049, 27.2014, 86.2125

Tritanomaly

21.6182, 26.9168, 55.6858

Monochromacy



Original Color

27.8814, 27.3616, 86.2499

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.2182, 23.6744, 41.9267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8814, 27.3616, 86.2499 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(65, 144, 240)` looks like.

```
.text, #text, p{  
    color:rgb(65, 144, 240)  
}
```

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(65, 144, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 144, 240) }
```

Border

The CSS property to change the border of an element to XYZ 27.8814, 27.3616, 86.2499 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(65, 144, 240) }
```


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

```
.border{ border-color:rgb(65, 144, 240) }
```

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

Here you see how a box with a 4 pixel rgb(65, 144, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 144, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 144, 240);  
box-shadow:4px 4px 4px 4px rgb(65, 144,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8814, 27.3616, 86.2499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 144, 240) }
```

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

```
.background{ background-color: rgb(65, 144,  
240) }
```

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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