

Converting Colors

XYZ(29.8113, 29.2015, 82.5436)

Have a look what the booklet for
XYZ(29.8113, 29.2015, 82.5436)
contains.

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Color

**XYZ(29.7435, 29.0897,
82.6445)**

Conversions

Conversions Part 1

Format	Color
Hex	5B93EB
RGB	91, 147, 235
RGB Percent	36%, 58%, 92%
CMY	0.6431, 0.4235, 0.0784
CMYK	0.61, 0.37, 0.00, 0.08
HSL	217°, 78%, 64%
HSV	217°, 61%, 92%
XYZ	29.7435, 29.0897, 82.6445
YIQ	140.2880, -61.6240, 15.4960

Conversions

Conversions Part 2

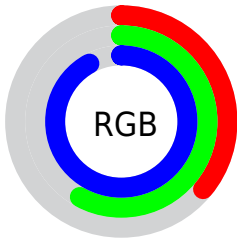
Format	Color
R_{YB}	91, 131, 235
Decimal	6001643
CIE Lab	60.86, 8.16, -49.92
CIE LCh	61, 50.582, 279.287
Yxy	29.0897, 0.2102, 0.2056
Android (android.graphics.Color)	4284191723 (0xFF5B93EB)
YUV	140.2880, 46.6930, -43.2256
Hunter-Lab	53.9349, 4.0515, -53.0958

Details

The XYZ color **29.7435, 29.0897, 82.6445** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **52.2714, 50.6609, 16.9229**, and the grayscale version is **24.8817, 26.1774, 28.5072**.

A 20% lighter version of the original color is **51.8855, 55.6687, 102.6182**, and **12.4114, 11.8041, 44.2721** is the 20% darker color. If you saturate the color by 10%, you get **25.6835, 23.8861, 81.8547**, and if you desaturate by 10%, it is **34.8097, 35.2267, 83.5627**.

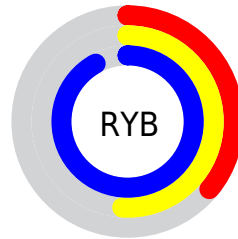
Distribution



Red (36%)

Green (58%)

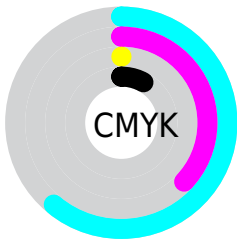
Blue (92%)



Red (36%)

Yellow (51%)

Blue (92%)

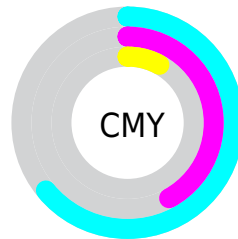


Cyan (61%)

Magenta (37%)

Yellow (0%)

Black (8%)



Cyan (64%)

Magenta (42%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7435, 29.0897, 82.6445 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 29.7435, 29.0897, 82.6445 by changing the saturation by 10% instead.

■ 29.7435, 29.0897,
82.6445

■ 29.7435, 29.0897,
82.6445

292.6383,
297.6380, 523.7409

■ 19.7911, 19.1487,
61.3580

■ 58.6457, 58.2196,
138.9222

■ 12.3507, 11.7778,
44.0817

■ 78.3262, 78.1772,
174.7505

■ 7.0569, 6.5925,
30.3971

■ 101.9802,
102.2425, 216.2632

■ 3.5443, 3.2086,
19.8856

■ 129.9728,
130.7999, 263.8788

■ 1.4477, 1.2416,
12.1287

162.6696,
164.2338, 318.0158

■ 0.2898, 0.0953,
6.7078

200.4359,

■ 0.0000, 0.0000,

202.9284, 379.0928

3.2044

243.6370,
247.2684, 447.5283

■ 0.0000, 0.0000,
1.1999

■ 0.0000, 0.0000,
0.0000

■ 29.7435, 29.0897,
82.6445

■ 29.7435, 29.0897,
82.6445

■ 25.6835, 23.8861,
81.8547

■ 34.8097, 35.2267,
83.5627

■ 22.5458, 19.5563,
81.1843

■ 40.9496, 42.3451,
84.6130

■ 20.2363, 16.0361,
80.6266

■ 48.2284, 50.4927,
85.8021

■ 18.7694, 13.5461,
80.2233

■ 56.7047, 59.7128,
87.1350

■ 66.4332, 70.0460,
88.6167

■ 77.4646, 81.5307,
90.2521

■ 89.6598, 94.1067,
92.0367

■ 91.9955, 98.7782,
92.8153

Harmonies

Analogous

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



23.4073, 29.0897, 79.1529



29.7435, 29.0897, 82.6445



36.4683, 29.0897, 68.8556

Triad

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



29.7435, 29.0897, 82.6445



38.6547, 29.0897, 13.8111



17.4143, 29.0897, 20.4997

Complementary

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



29.7435, 29.0897, 82.6445



52.2714, 50.6609, 16.9229

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.



20.3800, 29.0897, 11.0783



29.7435, 29.0897, 82.6445



32.3742, 29.0897, 8.4192

Square

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



29.7435, 29.0897, 82.6445



42.1250, 29.0897, 26.1735



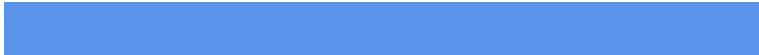
25.6550, 29.0897, 7.6700



16.9392, 29.0897, 37.8951

Rectangle

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



29.7435, 29.0897, 82.6445



40.0286, 29.0897, 54.0437



25.6550, 29.0897, 7.6700



18.1276, 29.0897, 16.5262

Sweetspot

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



29.7446, 29.0907, 82.6452



71.8279, 75.7001, 105.4336



41.9999, 64.8321, 52.1065



14.6729, 15.4526, 22.4593



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.



29.7446, 29.0907, 82.6452



29.6482, 27.0511, 98.2665



24.6109, 16.5097, 80.4874



14.7116, 15.5095, 19.1405



10.5611, 7.7692, 44.6859



0.9203, 0.7920, 3.5392

Inverse Universe

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



43.2696, 27.2525, 30.5841



47.9157, 27.0756, 27.3875



61.2948, 75.4823, 21.2383



15.3080, 15.1510, 16.9070



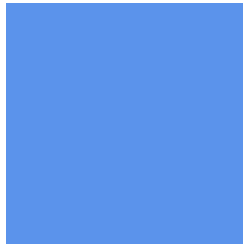
20.1861, 10.2771, 6.7812



1.6310, 0.8254, 0.7743

Previews

White Background



This preview shows how the XYZ color 29.7435, 29.0897, 82.6445 looks on a white background.

Color Contrast Check

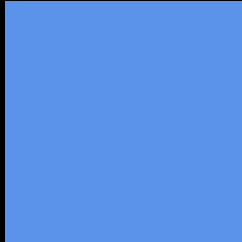
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7435, 29.0897, 82.6445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

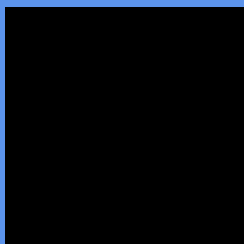
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

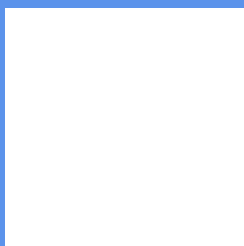
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7435, 29.0897, 82.6445

Background



This preview shows how black text looks on a background with the XYZ color 29.7435, 29.0897, 82.6445.



This preview shows how white text looks on a background with the XYZ color 29.7435, 29.0897,

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

29.7435, 29.0897, 82.6445

Protanopia

31.1980, 28.9818, 80.2937

Deuteranopia

29.8904, 28.9356, 82.6070



Tritanopia

22.0381, 29.1508, 44.0003

Trichromacy



Original Color

29.7435, 29.0897, 82.6445

Protanomaly

30.5069, 28.8330, 81.0482

Deuteranomaly

29.7885, 28.8831, 82.6022

Tritanomaly

24.3576, 28.8059, 56.5009

Monochromacy



Original Color

29.7435, 29.0897, 82.6445

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.5864, 26.8776, 44.3968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7435, 29.0897, 82.6445 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(91, 147, 235)` looks like.

```
.text, #text, p{  
    color:rgb(91, 147, 235)  
}
```

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(91, 147, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 147, 235) }
```

Border

The CSS property to change the border of an element to XYZ 29.7435, 29.0897, 82.6445 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(91, 147, 235) }
```


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

```
.border{ border-color:rgb(91, 147, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 147, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 147, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 147, 235);  
box-shadow:4px 4px 4px 4px rgb(91, 147,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7435, 29.0897, 82.6445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 147, 235) }
```

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

```
.background{ background-color: rgb(91, 147,  
235) }
```

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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