

Converting Colors

XYZ(28.2618, 27.9162, 83.1039)

Have a look what the booklet for
XYZ(28.2618, 27.9162, 83.1039)
contains.

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Color

**XYZ(28.2462, 27.8434,
83.2425)**

Conversions

Conversions Part 1

Format	Color
Hex	4C91EC
RGB	76, 145, 236
RGB Percent	30%, 57%, 93%
CMY	0.7019, 0.4314, 0.0745
CMYK	0.68, 0.39, 0.00, 0.07
HSL	214°, 81%, 61%
HSV	214°, 68%, 93%
XYZ	28.2462, 27.8434, 83.2425
YIQ	134.7430, -70.3350, 13.6730

Conversions

Conversions Part 2

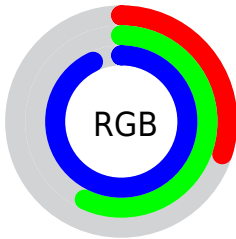
Format	Color
RYB	76, 124, 236
Decimal	5018092
CIELab	59.75, 7.17, -52.28
CIELCh	60, 52.768, 277.809
Yxy	27.8434, 0.2027, 0.1998
Android (android.graphics.Color)	4283208172 (0xFF4C91EC)
YUV	134.7430, 49.9197, -51.5176
Hunter-Lab	52.7668, 3.2094, -56.5963

Details

The XYZ color **28.2462, 27.8434, 83.2425** 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 **49.7176, 45.9957, 13.0969**, and the grayscale version is **22.7752, 23.9612, 26.0938**.

A 20% lighter version of the original color is **49.0593, 53.1836, 102.2875**, and **12.3304, 11.4797, 44.7459** is the 20% darker color. If you saturate the color by 10%, you get **24.7720, 23.1855, 82.5272**, and if you desaturate by 10%, it is **32.6523, 33.3421, 84.0722**.

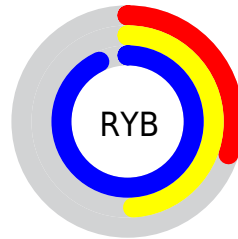
Distribution



Red (30%)

Green (57%)

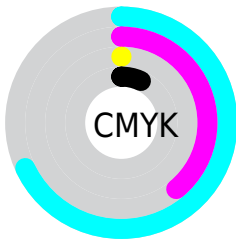
Blue (93%)



Red (30%)

Yellow (49%)

Blue (93%)

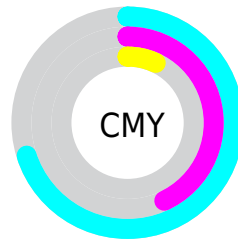


Cyan (68%)

Magenta (39%)

Yellow (0%)

Black (7%)



Cyan (70%)

Magenta (43%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2462, 27.8434, 83.2425 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 28.2462, 27.8434, 83.2425 by changing the saturation by 10% instead.

■ 28.2462, 27.8434,
83.2425

■ 28.2462, 27.8434,
83.2425

285.7003,
291.7179, 525.7865

■ 18.6527, 18.2076,
61.8485

■ 56.2832, 56.2343,
139.7673

■ 11.5221, 11.0992,
44.4753

■ 75.4574, 75.7583,
175.7352

■ 6.4891, 6.1336,
30.7044

■ 98.5559, 99.3471,
217.3980

■ 3.1881, 2.9265,
20.1173

■ 125.9441,
127.3852, 265.1745

■ 1.2540, 1.0935,
12.2954

157.9872,
160.2569, 319.4830

■ 0.1484, 0.0000,
6.8202

195.0507,

■ 0.0000, 0.0000,

198.3466, 380.7421

3.2732

237.5000,
242.0388, 449.3705

■ 0.0000, 0.0000,
1.2358

■ 0.0000, 0.0000,
0.0083

■ 28.2462, 27.8434,
83.2425

■ 28.2462, 27.8434,
83.2425

■ 24.7720, 23.1855,
82.5272

■ 32.6523, 33.3421,
84.0722

■ 22.1385, 19.3080,
81.9175

■ 38.0625, 39.7298,
85.0200

■ 20.2300, 16.1384,
81.4063

■ 44.5447, 47.0531,
86.0919

■ 19.8691, 15.5135,
81.3047

■ 52.1599, 55.3543,
87.2928

■ 60.9640, 64.6726,
88.6274

■ 71.0091, 75.0448,
90.1000

■ 82.3438, 86.5058,
91.7148

■ 91.3125, 97.1803,
93.3025

■ 92.1404, 98.8362,
93.5785

Harmonies

Analogous

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



21.9077, 27.8434, 78.6600



28.2462, 27.8434, 83.2425



35.1353, 27.8434, 69.6043

Triad

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



28.2462, 27.8434, 83.2425



37.9515, 27.8434, 12.9084



16.2727, 27.8434, 18.4474

Complementary

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



28.2462, 27.8434, 83.2425



49.7176, 45.9957, 13.0969

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.



19.3520, 27.8434, 9.5653



28.2462, 27.8434, 83.2425



31.6126, 27.8434, 7.4330

Square

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



28.2462, 27.8434, 83.2425



41.3208, 27.8434, 25.5930



24.7590, 27.8434, 6.5386



15.6788, 27.8434, 35.5886

Rectangle

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



28.2462, 27.8434, 83.2425



38.8761, 27.8434, 54.4108



24.7590, 27.8434, 6.5386



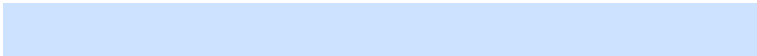
17.0230, 27.8434, 14.6510

Sweetspot

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



28.2473, 27.8443, 83.2432



70.1461, 74.4459, 105.2801



39.9217, 64.3062, 46.7084



14.3688, 15.2537, 22.4369



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.



28.2473, 27.8443, 83.2432



28.3099, 25.8986, 98.1146



21.6258, 13.2371, 80.7727



14.7654, 15.6172, 19.1585



11.0752, 8.7974, 44.8573



0.9636, 0.8786, 3.5537

Inverse Universe

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



42.2884, 25.0476, 29.3945



46.8681, 25.2320, 26.2626



62.4564, 76.5747, 18.3278



15.3351, 15.1619, 17.0501



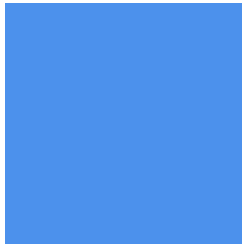
20.4455, 10.3809, 8.1475



1.6529, 0.8341, 0.8893

Previews

White Background



This preview shows how the XYZ color 28.2462, 27.8434, 83.2425 looks on a white background.

Color Contrast Check

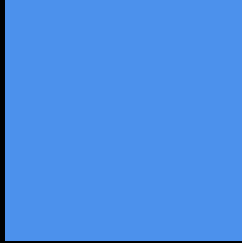
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2462, 27.8434, 83.2425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

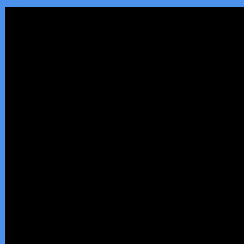
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

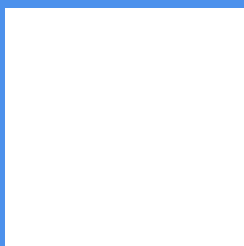
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2462, 27.8434, 83.2425

Background



This preview shows how black text looks on a background with the XYZ color 28.2462, 27.8434, 83.2425.



This preview shows how white text looks on a background with the XYZ color 28.2462, 27.8434,

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

28.2462, 27.8434, 83.2425

Protanopia

29.8653, 27.6515, 79.3645

Deuteranopia

28.6809, 27.8416, 83.2192



Tritanopia

20.2277, 27.9834, 42.8633

Trichromacy



Original Color

28.2462, 27.8434, 83.2425

Protanomaly

29.2049, 27.7160, 80.9013

Deuteranomaly

28.4218, 27.7081, 83.2071

Tritanomaly

22.4881, 27.6092, 55.7736

Monochromacy



Original Color

28.2462, 27.8434, 83.2425

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.6184, 25.0212, 42.6145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2462, 27.8434, 83.2425 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(76, 145, 236)` looks like.

```
.text, #text, p{  
    color:rgb(76, 145, 236)  
}
```

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(76, 145, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 145, 236) }
```

Border

The CSS property to change the border of an element to XYZ 28.2462, 27.8434, 83.2425 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(76, 145, 236) }
```


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

```
.border{ border-color:rgb(76, 145, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 145, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 145, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 145, 236);  
box-shadow:4px 4px 4px 4px rgb(76, 145,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2462, 27.8434, 83.2425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 145, 236) }
```

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

```
.background{ background-color: rgb(76, 145,  
236) }
```

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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