

Converting Colors

XYZ(28.2951, 30.9769, 62.5913)

Have a look what the booklet for
XYZ(28.2951, 30.9769, 62.5913)
contains.

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Color

**XYZ(28.2846, 30.9425,
62.8743)**

Conversions

Conversions Part 1

Format	Color
Hex	649CCE
RGB	100, 156, 206
RGB Percent	39%, 61%, 81%
CMY	0.6078, 0.3882, 0.1922
CMYK	0.51, 0.24, 0.00, 0.19
HSL	208°, 52%, 60%
HSV	208°, 51%, 81%
XYZ	28.2846, 30.9425, 62.8743
YIQ	144.9560, -49.4260, 3.6780

Conversions

Conversions Part 2

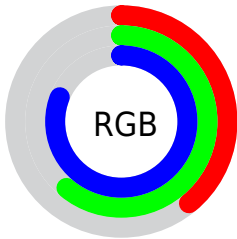
Format	Color
RYB	100, 137, 206
Decimal	6593742
CIELab	62.46, -4.37, -31.27
CIELCh	62, 31.576, 262.046
Yxy	30.9425, 0.2316, 0.2534
Android (android.graphics.Color)	4284783822 (0xFF649CCE)
YUV	144.9560, 30.0947, -39.4264
Hunter-Lab	55.6260, -6.5821, -28.0776

Details

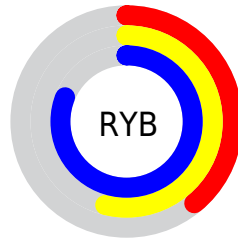
The XYZ color **28.2846, 30.9425, 62.8743** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.6613, 35.8560, 16.9411**, and the grayscale version is **26.7928, 28.1881, 30.6969**.

A 20% lighter version of the original color is **54.8069, 60.3811, 103.3738**, and **11.5126, 12.7886, 31.1398** is the 20% darker color. If you saturate the color by 10%, you get **24.7219, 26.7818, 62.2596**, and if you desaturate by 10%, it is **32.5559, 35.6633, 63.5610**.

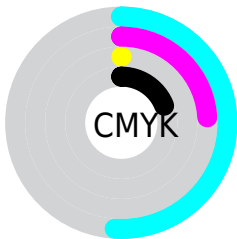
Distribution



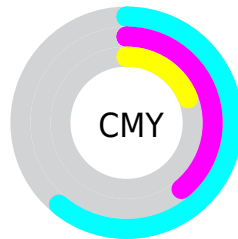
- Red (39%)
- Green (61%)
- Blue (81%)



- Red (39%)
- Yellow (54%)
- Blue (81%)



- Cyan (51%)
- Magenta (24%)
- Yellow (0%)
- Black (19%)



- Cyan (61%)
- Magenta (39%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2846, 30.9425, 62.8743 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 28.2846, 30.9425, 62.8743 by changing the saturation by 10% instead.

■ 28.2846, 30.9425,
62.8743

■ 28.2846, 30.9425,
62.8743

285.8798,
306.2733, 453.2085

■ 18.6819, 20.5551,
45.2992

■ 56.3440, 61.1495,
110.5720

■ 11.5433, 12.7992,
31.3485

■ 75.5313, 81.7379,
141.5316

■ 6.5035, 7.2904,
20.6037

■ 98.6442, 106.4954,
177.7898

■ 3.1971, 3.6444,
12.6462

■ 126.0481,
135.8064, 219.7651

■ 1.2588, 1.4767,
7.0575

158.1082,
170.0553, 267.8761

■ 0.1521, 0.2722,
3.4191

195.1900,

■ 0.0000, 0.0000,

209.6265, 322.5414

1.3124

237.6587,
254.9044, 384.1793

■ 0.0000, 0.0000,
0.0719

■ 0.0000, 0.0000,
0.0000

■ 28.2846, 30.9425,
62.8743

■ 28.2846, 30.9425,
62.8743

■ 24.7219, 26.7818,
62.2596

■ 32.5559, 35.6633,
63.5610

■ 21.8172, 23.1489,
61.7114

■ 37.5752, 40.9672,
64.3202

■ 19.5177, 20.0125,
61.2273

■ 43.3826, 46.8796,
65.1553

■ 17.7597, 17.3349,
60.8031

■ 50.0142, 53.4232,
66.0688

■ 16.5912, 15.3572,
60.4829

■ 57.5037, 60.6194,
67.0631

■ 65.8830, 68.4884,
68.1403

■ 75.1820, 77.0495,
69.3027

■ 81.7294, 84.4137,
70.3790

■ 84.5681, 90.0911,
71.3252

Harmonies

Analogous

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



24.6288, 30.9425, 55.9277



28.2846, 30.9425, 62.8743



32.6116, 30.9425, 60.6309

Triad

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



28.2846, 30.9425, 62.8743



37.7253, 30.9425, 25.5890



23.3809, 30.9425, 21.1644

Complementary

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



28.2846, 30.9425, 62.8743



38.6613, 35.8560, 16.9411

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.



26.4250, 30.9425, 16.2135



28.2846, 30.9425, 62.8743



34.7730, 30.9425, 18.3022

Square

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



28.2846, 30.9425, 62.8743



38.3461, 30.9425, 37.0625



30.5647, 30.9425, 15.3109



21.9825, 30.9425, 30.5306

Rectangle

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



28.2846, 30.9425, 62.8743



35.2791, 30.9425, 54.4236



30.5647, 30.9425, 15.3109



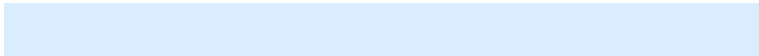
24.2307, 30.9425, 19.0325

Sweetspot

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



28.2857, 30.9436, 62.8750



76.8629, 82.4771, 106.4763



32.7901, 49.0377, 36.3678



15.9598, 17.1683, 22.7226



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.



28.2857, 30.9436, 62.8750



39.3760, 42.5698, 100.7492



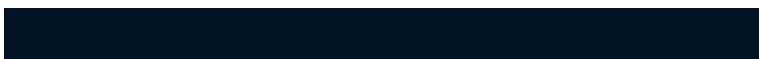
21.3008, 16.9738, 60.5467



11.0841, 11.8086, 14.2655



10.3142, 9.6523, 37.2757



0.6077, 0.6492, 1.9482

Inverse Universe

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



36.0125, 24.6377, 34.3110



53.7869, 33.1035, 46.9614



48.9848, 56.5031, 20.3823



11.4558, 11.3111, 12.9349



17.4170, 8.7774, 9.9146



0.9367, 0.4681, 0.7125

Previews

White Background



This preview shows how the XYZ color 28.2846, 30.9425, 62.8743 looks on a white background.

Color Contrast Check

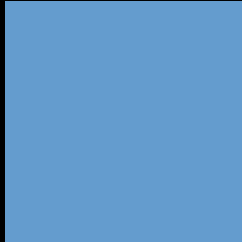
Large Text (above 18pt) WCAG AA × Fail

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 28.2846, 30.9425, 62.8743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

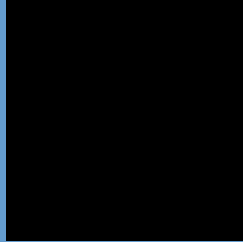
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.2846, 30.9425, 62.8743

Background



This preview shows how black text looks on a background with the XYZ color 28.2846, 30.9425, 62.8743.

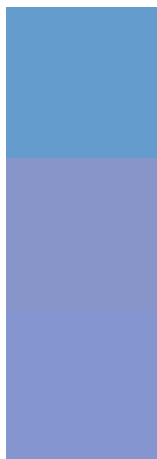


This preview shows how white text looks on a background with the XYZ color 28.2846, 30.9425,

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

28.2846, 30.9425, 62.8743

Protanopia

31.3261, 30.8993, 58.9567

Deuteranopia

31.6483, 30.9545, 63.9813



Tritanopia

24.7780, 31.0597, 45.2466

Trichromacy



Original Color

28.2846, 30.9425, 62.8743

Protanomaly

30.0573, 30.9317, 60.2633

Deuteranomaly

30.2365, 30.9545, 63.4127

Tritanomaly

25.9479, 31.0139, 51.0731

Monochromacy



Original Color

28.2846, 30.9425, 62.8743

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.7758, 28.9520, 40.7363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2846, 30.9425, 62.8743 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(100, 156, 206)` looks like.

```
.text, #text, p{  
    color:rgb(100, 156, 206)  
}
```

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(100, 156, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 156, 206) }
```

Border

The CSS property to change the border of an element to XYZ 28.2846, 30.9425, 62.8743 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(100, 156, 206) }
```


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

```
.border{ border-color:rgb(100, 156, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 156, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 156, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 156, 206); box-shadow:4px 4px 4px 4px rgb(100, 156, 206) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2846, 30.9425, 62.8743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 156, 206) }
```

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

```
.background{ background-color: rgb(100,  
156, 206) }
```

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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