

Converting Colors

XYZ(29.1142, 30.6315, 66.7375)

Have a look what the booklet for
XYZ(29.1142, 30.6315, 66.7375)
contains.

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Color

**XYZ(29.1006, 30.5392,
66.6482)**

Conversions

Conversions Part 1

Format	Color
Hex	6999D4
RGB	105, 153, 212
RGB Percent	41%, 60%, 83%
CMY	0.5882, 0.4000, 0.1686
CMYK	0.50, 0.28, 0.00, 0.17
HSL	213°, 55%, 62%
HSV	213°, 50%, 83%
XYZ	29.1006, 30.5392, 66.6482
YIQ	145.3740, -47.5470, 8.1730

Conversions

Conversions Part 2

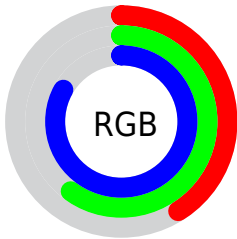
Format	Color
RYB	105, 138, 212
Decimal	6920660
CIELab	62.12, 0.29, -35.13
CIElCh	62, 35.131, 270.466
Yxy	30.5392, 0.2304, 0.2418
Android (android.graphics.Color)	4285110740 (0xFF6999D4)
YUV	145.3740, 32.8466, -35.4080
Hunter-Lab	55.2623, -2.7126, -32.8222

Details

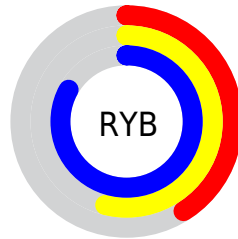
The XYZ color **29.1006, 30.5392, 66.6482** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.9778, 41.5693, 19.1245**, and the grayscale version is **26.9511, 28.3546, 30.8782**.

A 20% lighter version of the original color is **55.0608, 59.4227, 103.1755**, and **11.9639, 12.5179, 33.6839** is the 20% darker color. If you saturate the color by 10%, you get **25.0935, 25.7714, 65.9397**, and if you desaturate by 10%, it is **33.9179, 36.0041, 67.4497**.

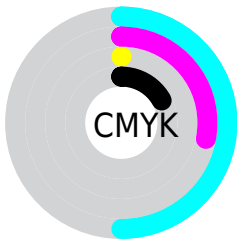
Distribution



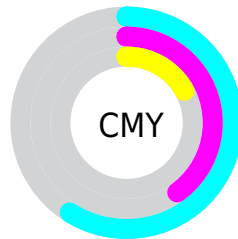
- Red (41%)
- Green (60%)
- Blue (83%)



- Red (41%)
- Yellow (54%)
- Blue (83%)



- Cyan (50%)
- Magenta (28%)
- Yellow (0%)
- Black (17%)



- Cyan (59%)
- Magenta (40%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1006, 30.5392, 66.6482 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 29.1006, 30.5392, 66.6482 by changing the saturation by 10% instead.

■ 29.1006, 30.5392,
66.6482

■ 29.1006, 30.5392,
66.6482

289.6750,
304.4098, 467.1589

■ 19.3016, 20.2482,
48.3390

■ 57.6333, 60.5139,
116.0520

■ 11.9937, 12.5756,
33.7335

■ 77.0978, 80.9663,
147.9837

■ 6.8116, 7.1370,
22.4133

■ 100.5148,
105.5747, 185.2933

■ 3.3898, 3.5479,
13.9597

■ 128.2496,
134.7235, 228.3994

■ 1.3631, 1.4240,
7.9542

160.6677,
168.7969, 277.7204

■ 0.2297, 0.2343,
3.9783

198.1344,

■ 0.0000, 0.0000,

208.1796, 333.6750

1.6134

241.0150,
253.2557, 396.6816

■ 0.0000, 0.0000,
0.3004

■ 0.0000, 0.0000,
0.0000

■ 29.1006, 30.5392,
66.6482

■ 29.1006, 30.5392,
66.6482

■ 25.0935, 25.7714,
65.9397

■ 33.9179, 36.0041,
67.4497

■ 21.8410, 21.6623,
65.3180

■ 39.5896, 42.1948,
68.3457

■ 19.2849, 18.1743,
64.7795

■ 46.1600, 49.1422,
69.3404

■ 17.3555, 15.2626,
64.3191

■ 53.6696, 56.8740,
70.4370

■ 15.9851, 12.9563,
63.9462

■ 62.1560, 65.4166,
71.6386

■ 71.6548, 74.7949,
72.9481

■ 82.1998, 85.0327,
74.3685

■ 86.2384, 92.2429,
75.5473

■ 88.8838, 97.5335,
76.4291

Harmonies

Analogous

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



24.7744, 30.5392, 61.4180



29.1006, 30.5392, 66.6482



33.8812, 30.5392, 61.0998

Triad

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



29.1006, 30.5392, 66.6482



37.5830, 30.5392, 21.7268



21.8175, 30.5392, 22.0042

Complementary

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



29.1006, 30.5392, 66.6482



42.9778, 41.5693, 19.1245

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.



24.6593, 30.5392, 15.4888



29.1006, 30.5392, 66.6482



33.7395, 30.5392, 15.3619

Square

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



29.1006, 30.5392, 66.6482



39.0927, 30.5392, 33.0407



28.9527, 30.5392, 13.4292



20.8563, 30.5392, 33.4642

Rectangle

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



29.1006, 30.5392, 66.6482



36.6128, 30.5392, 52.7169



28.9527, 30.5392, 13.4292



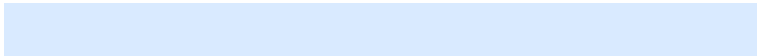
22.5681, 30.5392, 19.2870

Sweetspot

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



29.1017, 30.5403, 66.6489



75.9878, 80.7270, 106.1846



36.0575, 52.7660, 43.3367



15.7495, 16.7476, 22.6525



0.0000, 0.0000, 0.0000



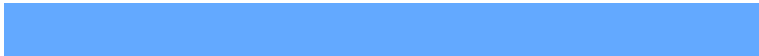
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.1017, 30.5403, 66.6489



37.4754, 38.3590, 100.0366



23.4105, 18.1955, 64.5661



12.1967, 12.9168, 15.7879



9.9653, 8.1923, 39.5092



0.6830, 0.6580, 2.4103

Inverse Universe

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



37.9537, 26.4013, 33.2336



52.9275, 33.1423, 41.2561



51.7285, 61.3226, 22.4760



12.6525, 12.5125, 14.1102



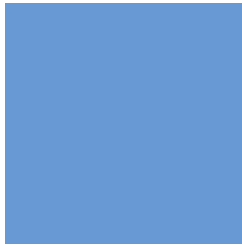
18.0889, 9.1719, 7.7720



1.1324, 0.5697, 0.6866

Previews

White Background



This preview shows how the XYZ color 29.1006, 30.5392, 66.6482 looks on a white background.

Color Contrast Check

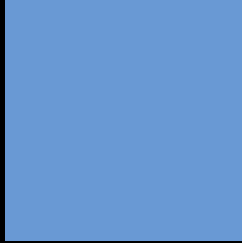
Large Text (above 18pt) WCAG AA × Fail

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 29.1006, 30.5392, 66.6482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

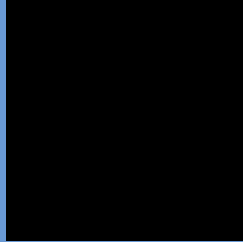
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1006, 30.5392, 66.6482

Background



This preview shows how black text looks on a background with the XYZ color 29.1006, 30.5392, 66.6482.

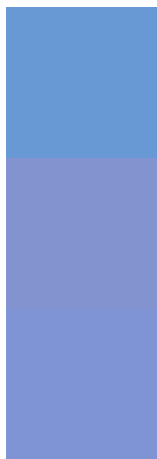


This preview shows how white text looks on a background with the XYZ color 29.1006, 30.5392,

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

29.1006, 30.5392, 66.6482

Protanopia

31.1790, 30.2468, 63.8694

Deuteranopia

31.2043, 30.4195, 67.1777



Tritanopia

24.5273, 30.4341, 44.1168

Trichromacy



Original Color

29.1006, 30.5392, 66.6482

Protanomaly

30.2821, 30.2359, 64.5617

Deuteranomaly

30.3878, 30.4683, 67.2302

Tritanomaly

25.9564, 30.2432, 51.4832

Monochromacy



Original Color

29.1006, 30.5392, 66.6482

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.9573, 28.7902, 41.6724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1006, 30.5392, 66.6482 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(105, 153, 212)` looks like.

```
.text, #text, p{  
    color:rgb(105, 153, 212)  
}
```

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(105, 153, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 153, 212) }
```

Border

The CSS property to change the border of an element to XYZ 29.1006, 30.5392, 66.6482 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(105, 153, 212) }
```


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

```
.border{ border-color:rgb(105, 153, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 153, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 153, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 153, 212);  
box-shadow:4px 4px 4px 4px rgb(105, 153,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1006, 30.5392, 66.6482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 153, 212) }
```

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

```
.background{ background-color: rgb(105,  
153, 212) }
```

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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