

Converting Colors

XYZ(29.4969, 32.9406, 69.3555)

Have a look what the booklet for
XYZ(29.4969, 32.9406, 69.3555)
contains.

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Color

**XYZ(29.5005, 32.9711,
69.0992)**

Conversions

Conversions Part 1

Format	Color
Hex	5BA2D7
RGB	91, 162, 215
RGB Percent	36%, 64%, 84%
CMY	0.6431, 0.3647, 0.1569
CMYK	0.58, 0.25, 0.00, 0.16
HSL	206°, 61%, 60%
HSV	206°, 58%, 84%
XYZ	29.5005, 32.9711, 69.0992
YIQ	146.8130, -59.3290, 1.4310

Conversions

Conversions Part 2

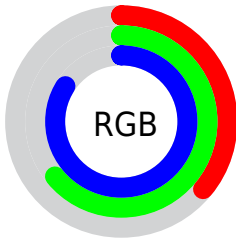
Format	Color
R _Y B	91, 136, 215
Decimal	6005463
CIE Lab	64.14, -6.89, -33.70
CIE LCh	64, 34.399, 258.449
Yxy	32.9711, 0.2242, 0.2506
Android (android.graphics.Color)	4284195543 (0xFF5BA2D7)
YUV	146.8130, 33.6162, -48.9480
Hunter-Lab	57.4205, -8.7792, -31.1547

Details

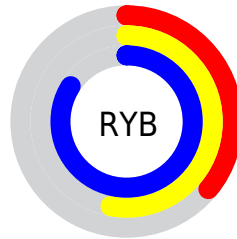
The XYZ color **29.5005, 32.9711, 69.0992** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **39.8873, 35.1509, 14.5816**, and the grayscale version is **27.5404, 28.9746, 31.5533**.

A 20% lighter version of the original color is **55.4405, 63.3297, 103.9096**, and **12.2608, 14.0261, 35.3188** is the 20% darker color. If you saturate the color by 10%, you get **26.1168, 28.9113, 68.4946**, and if you desaturate by 10%, it is **33.6119, 37.5828, 69.7733**.

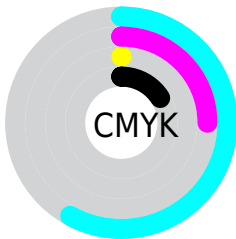
Distribution



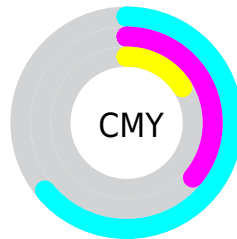
- Red (36%)
- Green (64%)
- Blue (84%)



- Red (36%)
- Yellow (53%)
- Blue (84%)



- Cyan (58%)
- Magenta (25%)
- Yellow (0%)
- Black (16%)



- Cyan (64%)
- Magenta (36%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5005, 32.9711, 69.0992 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 29.5005, 32.9711, 69.0992 by changing the saturation by 10% instead.

■ 29.5005, 32.9711,
69.0992

■ 29.5005, 32.9711,
69.0992

291.5210,
315.5195, 476.0842

■ 19.6059, 22.1043,
50.3202

■ 58.2634, 64.3304,
119.5923

■ 12.2155, 13.9336,
35.2950

■ 77.8625, 85.5917,
152.1435

■ 6.9639, 8.0745,
23.6048

■ 101.4271,
111.0866, 190.1225

■ 3.4856, 4.1426,
14.8312

■ 129.3226,
141.1996, 233.9480

■ 1.4155, 1.7537,
8.5557

161.9144,
176.3150, 284.0383

■ 0.2672, 0.4580,
4.3597

199.5679,

■ 0.0000, 0.0000,

216.8171, 340.8121

1.8247

242.6482,
263.0905, 404.6879

■ 0.0000, 0.0000,
0.4442

■ 0.0000, 0.0000,
0.0000

■ 29.5005, 32.9711,
69.0992

■ 29.5005, 32.9711,
69.0992

■ 26.1168, 28.9113,
68.4946

■ 33.6119, 37.5828,
69.7733

■ 23.4013, 25.3673,
67.9536

■ 38.4969, 42.7721,
70.5175

■ 21.2900, 22.3028,
67.4734

■ 44.2018, 48.5668,
71.3353

■ 19.6930, 19.6675,
67.0489

■ 50.7675, 54.9914,
72.2293

■ 19.3616, 19.0979,
66.9564

■ 58.2325, 62.0691,
73.2020

■ 66.6325, 69.8215,
74.2556

■ 76.0013, 78.2693,
75.3924

■ 83.3634, 85.8814,
76.4737

■ 86.0707, 91.2959,
77.3761

Harmonies

Analogous

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



25.5293, 32.9711, 59.9371



29.5005, 32.9711, 69.0992



34.3953, 32.9711, 67.8151

Triad

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



29.5005, 32.9711, 69.0992



41.0847, 32.9711, 28.0654



24.8407, 32.9711, 20.8903

Complementary

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



29.5005, 32.9711, 69.0992



39.8873, 35.1509, 14.5816

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.



28.4675, 32.9711, 15.9988



29.5005, 32.9711, 69.0992



37.9672, 32.9711, 19.3401

Square

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



29.5005, 32.9711, 69.0992



41.4350, 32.9711, 41.5409



33.2503, 32.9711, 15.5165



23.0311, 32.9711, 30.7942

Rectangle

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



29.5005, 32.9711, 69.0992



37.5278, 32.9711, 61.2595



33.2503, 32.9711, 15.5165



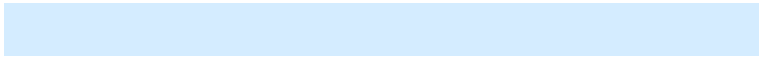
25.8693, 32.9711, 18.7291

Sweetspot

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



29.5016, 32.9723, 69.1000



75.2318, 81.4275, 106.3597



33.5488, 52.7991, 34.2792



15.6578, 16.9998, 22.7060



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.



29.5016, 32.9723, 69.1000



37.5583, 41.4437, 100.6276



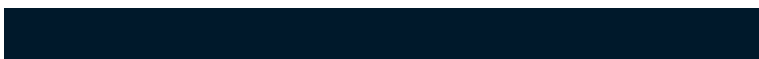
21.2677, 16.5043, 66.3553



12.3270, 13.1774, 15.8313



11.6876, 11.6370, 40.0833



0.7863, 0.8646, 2.4448

Inverse Universe

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



38.2881, 24.5393, 36.9020



52.2568, 30.1461, 46.1345



51.6652, 58.7067, 18.5076



12.7182, 12.5388, 14.4565



18.9582, 9.5196, 12.3499



1.1845, 0.5906, 0.9612

Previews

White Background



This preview shows how the XYZ color 29.5005, 32.9711, 69.0992 looks on a white background.

Color Contrast Check

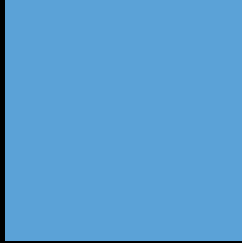
Large Text (above 18pt) WCAG AA × Fail

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 29.5005, 32.9711, 69.0992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

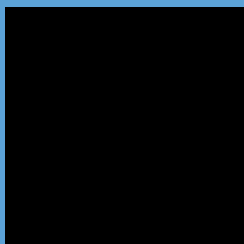
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

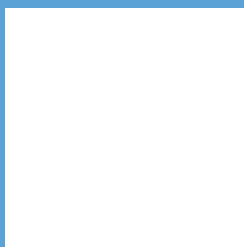
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5005, 32.9711, 69.0992

Background



This preview shows how black text looks on a background with the XYZ color 29.5005, 32.9711, 69.0992.

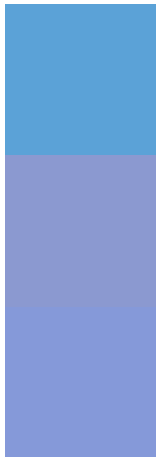


This preview shows how white text looks on a background with the XYZ color 29.5005, 32.9711,

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

29.5005, 32.9711, 69.0992

Protanopia

33.4239, 32.8255, 64.2488

Deuteranopia

33.5885, 32.7788, 70.2023



Tritanopia

25.5067, 32.9604, 49.2736

Trichromacy



Original Color

29.5005, 32.9711, 69.0992

Protanomaly

31.6724, 32.6177, 66.2545

Deuteranomaly

31.7544, 32.5864, 69.5819

Tritanomaly

26.8535, 32.9613, 55.9858

Monochromacy



Original Color

29.5005, 32.9711, 69.0992

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.4270, 29.9471, 43.3645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5005, 32.9711, 69.0992 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, 162, 215)` looks like.

```
.text, #text, p{  
    color:rgb(91, 162, 215)  
}
```

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, 162, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 162, 215) }
```

Border

The CSS property to change the border of an element to XYZ 29.5005, 32.9711, 69.0992 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, 162, 215) }
```


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

```
.border{ border-color:rgb(91, 162, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 162, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 162, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 162, 215);  
box-shadow:4px 4px 4px 4px rgb(91, 162,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5005, 32.9711, 69.0992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 162, 215) }
```

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

```
.background{ background-color: rgb(91, 162,  
215) }
```

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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