

Converting Colors

XYZ(29.8694, 33.3191, 73.0536)

Have a look what the booklet for
XYZ(29.8694, 33.3191, 73.0536)
contains.

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Color

**XYZ(29.8947, 33.3461,
73.2674)**

Conversions

Conversions Part 1

Format	Color
Hex	55A3DD
RGB	85, 163, 221
RGB Percent	33%, 64%, 87%
CMY	0.6666, 0.3608, 0.1333
CMYK	0.62, 0.26, 0.00, 0.13
HSL	206°, 67%, 60%
HSV	206°, 62%, 87%
XYZ	29.8947, 33.3461, 73.2674
YIQ	146.2900, -65.1060, 1.5020

Conversions

Conversions Part 2

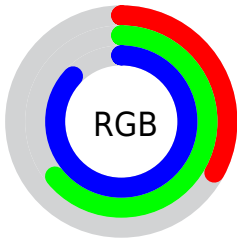
Format	Color
R _Y B	85, 135, 221
Decimal	5612509
CIE Lab	64.44, -6.69, -36.57
CIE LCh	64, 37.176, 259.631
Yxy	33.3461, 0.2190, 0.2443
Android (android.graphics.Color)	4283802589 (0xFF55A3DD)
YUV	146.2900, 36.8320, -53.7513
Hunter-Lab	57.7461, -8.6476, -34.8040

Details

The XYZ color **29.8947, 33.3461, 73.2674** 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 **41.2826, 35.6754, 13.3063**, and the grayscale version is **27.3146, 28.7371, 31.2947**.

A 20% lighter version of the original color is **54.7985, 63.3825, 103.9536**, and **12.6771, 14.3415, 38.1764** is the 20% darker color. If you saturate the color by 10%, you get **26.5811, 29.2459, 72.6513**, and if you desaturate by 10%, it is **33.9617, 38.0210, 73.9561**.

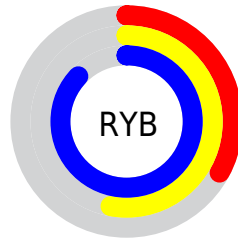
Distribution



Red (33%)

Green (64%)

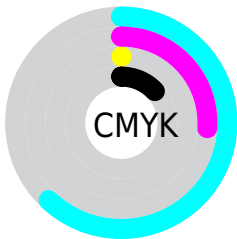
Blue (87%)



Red (33%)

Yellow (53%)

Blue (87%)

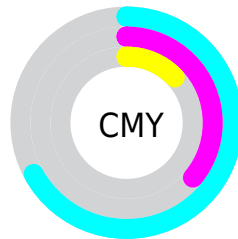


Cyan (62%)

Magenta (26%)

Yellow (0%)

Black (13%)



Cyan (67%)

Magenta (36%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8947, 33.3461, 73.2674 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 29.8947, 33.3461, 73.2674 by changing the saturation by 10% instead.

■ 29.8947, 33.3461,
73.2674

■ 29.8947, 33.3461,
73.2674

293.3320,
317.2064, 491.0367

■ 19.9064, 22.3917,
53.7015

■ 58.8834, 64.9155,
125.5812

■ 12.4349, 14.1450,
37.9715

■ 78.6144, 86.2993,
159.1661

■ 7.1149, 8.2216,
25.6589

■ 102.3238,
111.9284, 198.2612

■ 3.5810, 4.2371,
16.3452

■ 130.3767,
142.1871, 243.2848

■ 1.4679, 1.8070,
9.6117

163.1387,
177.4599, 294.6557

■ 0.3039, 0.4916,
5.0401

200.9749,

■ 0.0000, 0.0000,

218.1311, 352.7922

2.2116

244.2509,
264.5851, 418.1131

■ 0.0000, 0.0000,
0.6811

■ 0.0000, 0.0000,
0.0000

■ 29.8947, 33.3461,
73.2674

■ 29.8947, 33.3461,
73.2674

■ 26.5811, 29.2459,
72.6513

■ 33.9617, 38.0210,
73.9561

■ 23.9543, 25.6803,
72.1015

■ 38.8340, 43.2996,
74.7181

■ 21.9399, 22.6076,
71.6146

■ 44.5626, 49.2124,
75.5575

■ 20.6080, 20.3340,
71.2459

■ 51.1930, 55.7866,
76.4770

■ 58.7671, 63.0474,
77.4792

■ 67.3242, 71.0184,
78.5668

■ 76.9014, 79.7222,
79.7420

■ 84.9839, 87.8657,
80.8879

■ 87.8065, 93.5111,
81.8288

Harmonies

Analogous

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



25.5391, 33.3461, 63.4058



29.8947, 33.3461, 73.2674



35.2444, 33.3461, 71.3360

Triad

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



29.8947, 33.3461, 73.2674



42.2992, 33.3461, 27.3559



24.5443, 33.3461, 20.4902

Complementary

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



29.8947, 33.3461, 73.2674



41.2826, 35.6754, 13.3063

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.



28.3913, 33.3461, 15.1666



29.8947, 33.3461, 73.2674



38.7670, 33.3461, 18.2968

Square

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



29.8947, 33.3461, 73.2674



42.8178, 33.3461, 41.8210



33.5651, 33.3461, 14.4949



22.6866, 33.3461, 31.3025

Rectangle

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



29.8947, 33.3461, 73.2674



38.6521, 33.3461, 63.7570



33.5651, 33.3461, 14.4949



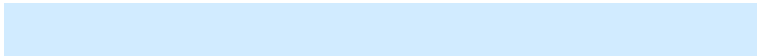
25.6263, 33.3461, 18.1441

Sweetspot

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



29.8959, 33.3473, 73.2682



74.2028, 80.4498, 106.2252



34.4616, 55.5882, 34.3755



15.2505, 16.6078, 22.6518



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.



29.8959, 33.3473, 73.2682



35.5541, 38.8629, 100.2351



21.0124, 15.5803, 70.3071



12.9556, 13.8509, 16.6428



12.0859, 12.0413, 41.4256



0.8678, 0.9497, 2.7120

Inverse Universe

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



39.6793, 24.5150, 37.2918



50.8968, 28.2680, 43.0855



54.4238, 61.9578, 17.6867



13.3674, 13.1761, 15.1962



19.5958, 9.8393, 12.7832



1.3123, 0.6546, 1.0536

Previews

White Background



This preview shows how the XYZ color 29.8947, 33.3461, 73.2674 looks on a white background.

Color Contrast Check

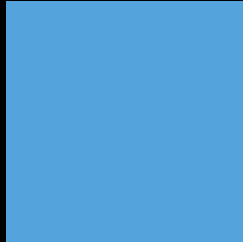
Large Text (above 18pt) WCAG AA × Fail

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 29.8947, 33.3461, 73.2674 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

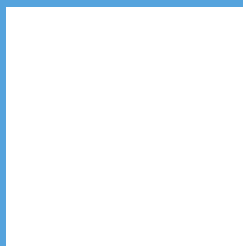
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8947, 33.3461, 73.2674

Background



This preview shows how black text looks on a background with the XYZ color 29.8947, 33.3461, 73.2674.

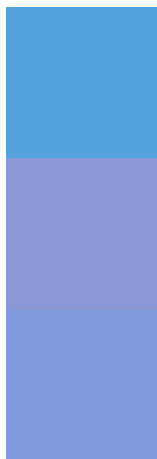


This preview shows how white text looks on a background with the XYZ color 29.8947, 33.3461,

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

29.8947, 33.3461, 73.2674

Protanopia

33.8827, 32.9898, 67.5327

Deuteranopia

33.9281, 33.1060, 74.4139



Tritanopia

25.3412, 33.4034, 50.4593

Trichromacy



Original Color

29.8947, 33.3461, 73.2674

Protanomaly

32.0594, 32.9937, 69.6445

Deuteranomaly

32.0518, 32.8986, 73.7680

Tritanomaly

26.7208, 33.1245, 57.8087

Monochromacy



Original Color

29.8947, 33.3461, 73.2674

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.0832, 29.7587, 43.8517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8947, 33.3461, 73.2674 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(85, 163, 221)` looks like.

```
.text, #text, p{  
    color:rgb(85, 163, 221)  
}
```

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(85, 163, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 163, 221) }
```

Border

The CSS property to change the border of an element to XYZ 29.8947, 33.3461, 73.2674 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(85, 163, 221) }
```


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

```
.border{ border-color:rgb(85, 163, 221) }
```

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

Here you see how a box with a 4 pixel rgb(85, 163, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 163, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 163, 221);  
box-shadow:4px 4px 4px 4px rgb(85, 163,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8947, 33.3461, 73.2674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 163, 221) }
```

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

```
.background{ background-color: rgb(85, 163,  
221) }
```

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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