

Converting Colors

XYZ(31.3140, 35.1317, 75.0493)

Have a look what the booklet for
XYZ(31.3140, 35.1317, 75.0493)
contains.

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Color

**XYZ(31.2578, 35.0890,
74.9374)**

Conversions

Conversions Part 1

Format	Color
Hex	59A7DF
RGB	89, 167, 223
RGB Percent	35%, 65%, 87%
CMY	0.6510, 0.3451, 0.1255
CMYK	0.60, 0.25, 0.00, 0.13
HSL	205°, 68%, 61%
HSV	205°, 60%, 87%
XYZ	31.2578, 35.0890, 74.9374
YIQ	150.0620, -64.4640, 0.8800

Conversions

Conversions Part 2

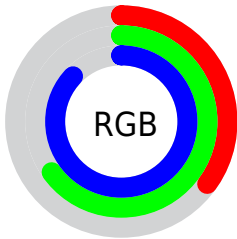
Format	Color
R _Y B	89, 138, 223
Decimal	5875679
CIE Lab	65.82, -7.54, -35.52
CIE LCh	66, 36.306, 258.017
Yxy	35.0890, 0.2212, 0.2484
Android (android.graphics.Color)	4284065759 (0xFF59A7DF)
YUV	150.0620, 35.9584, -53.5514
Hunter-Lab	59.2360, -9.4716, -33.5406

Details

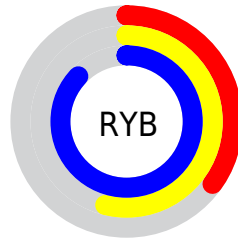
The XYZ color **31.2578, 35.0890, 74.9374** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **42.3614, 36.6619, 14.2964**, and the grayscale version is **28.8888, 30.3933, 33.0983**.

A 20% lighter version of the original color is **56.5657, 65.8521, 104.3371**, and **13.2111, 15.0951, 39.2631** is the 20% darker color. If you saturate the color by 10%, you get **27.7869, 30.8563, 74.3040**, and if you desaturate by 10%, it is **35.5022, 39.9043, 75.6438**.

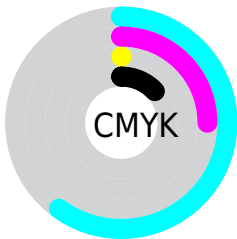
Distribution



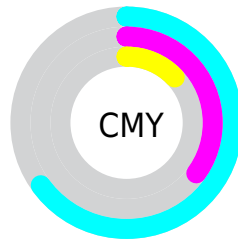
- Red (35%)
- Green (65%)
- Blue (87%)



- Red (35%)
- Yellow (54%)
- Blue (87%)



- Cyan (60%)
- Magenta (25%)
- Yellow (0%)
- Black (13%)



- Cyan (65%)
- Magenta (35%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2578, 35.0890, 74.9374 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 31.2578, 35.0890, 74.9374 by changing the saturation by 10% instead.

■ 31.2578, 35.0890,
74.9374

■ 31.2578, 35.0890,
74.9374

299.5300,
324.9610, 496.9521

■ 20.9480, 23.7314,
55.0602

■ 61.0188, 67.6236,
127.9700

■ 13.1983, 15.1345,
39.0510

■ 81.2008, 89.5695,
161.9625

■ 7.6432, 8.9139,
26.4913

■ 105.4041,
115.8135, 201.4972

■ 3.9173, 4.6850,
16.9625

■ 133.9943,
146.7402, 246.9926

■ 1.6555, 2.0637,
10.0461

167.3366,
182.7339, 298.8672

■ 0.4282, 0.6441,
5.3235

205.7964,

■ 0.0000, 0.0000,

224.1790, 357.5396

2.3763

249.7391,
271.4599, 423.4284

■ 0.0000, 0.0000,
0.7735

■ 0.0000, 0.0000,
0.0000

■ 31.2578, 35.0890,
74.9374

■ 31.2578, 35.0890,
74.9374

■ 27.7869, 30.8563,
74.3040

■ 35.5022, 39.9043,
75.6438

■ 25.0226, 27.1662,
73.7375

■ 40.5719, 45.3308,
76.4241

■ 22.8916, 23.9774,
73.2343

■ 46.5181, 51.3992,
77.2820

■ 21.2761, 21.2412,
72.7913

■ 53.3867, 58.1366,
78.2204

■ 61.2201, 65.5682,
79.2420

■ 70.0578, 73.7177,
80.3492

■ 79.9372, 82.6078,
81.5444

■ 86.1805, 89.8299,
82.6094

■ 89.0187, 95.5064,
83.5555

Harmonies

Analogous

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



26.9246, 35.0890, 64.5969



31.2578, 35.0890, 74.9374



36.6394, 35.0890, 73.6852

Triad

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



31.2578, 35.0890, 74.9374



44.1366, 35.0890, 29.7890



26.2653, 35.0890, 21.6755

Complementary

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



31.2578, 35.0890, 74.9374



42.3614, 36.6619, 14.2964

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.



30.2656, 35.0890, 16.4588



31.2578, 35.0890, 74.9374



40.7265, 35.0890, 20.2054

Square

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



31.2578, 35.0890, 74.9374



44.4757, 35.0890, 44.6640



35.5357, 35.0890, 16.0047



24.2558, 35.0890, 32.4025

Rectangle

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



31.2578, 35.0890, 74.9374



40.1057, 35.0890, 66.4775



35.5357, 35.0890, 16.0047



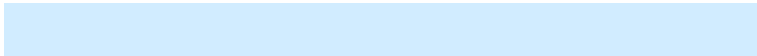
27.4009, 35.0890, 19.3592

Sweetspot

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



31.2590, 35.0902, 74.9383



74.3158, 80.6758, 106.2629



35.6067, 56.9394, 35.8362



15.2781, 16.6630, 22.6610



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.



31.2590, 35.0902, 74.9383



36.6522, 40.5232, 100.4977



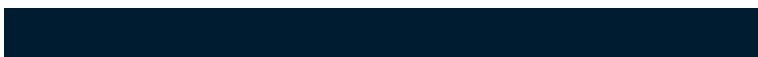
22.0136, 16.5995, 71.8565



13.6115, 14.5621, 17.4811



12.6240, 12.7176, 42.8377



0.9629, 1.0573, 2.9986

Inverse Universe

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



40.9799, 25.6241, 39.3464



51.5818, 29.0427, 45.1491



55.7374, 63.4139, 18.7551



14.0401, 13.8337, 15.9815



20.3122, 10.1919, 13.5758



1.4523, 0.7242, 1.1746

Previews

White Background



This preview shows how the XYZ color 31.2578, 35.0890, 74.9374 looks on a white background.

Color Contrast Check

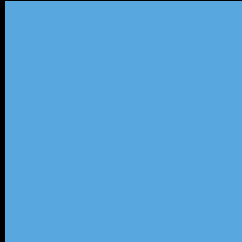
Large Text (above 18pt) WCAG AA × Fail

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 31.2578, 35.0890, 74.9374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

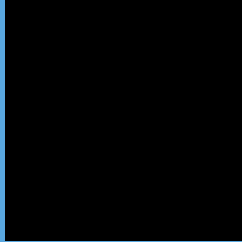
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2578, 35.0890, 74.9374

Background



This preview shows how black text looks on a background with the XYZ color 31.2578, 35.0890, 74.9374.

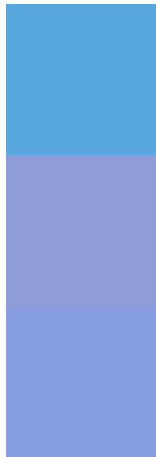


This preview shows how white text looks on a background with the XYZ color 31.2578, 35.0890,

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

31.2578, 35.0890, 74.9374

Protanopia

35.4780, 34.7710, 69.1316

Deuteranopia

35.6393, 34.7011, 76.0538



Tritanopia

26.9608, 35.3194, 52.9733

Trichromacy



Original Color

31.2578, 35.0890, 74.9374

Protanomaly

33.5681, 34.7626, 71.2703

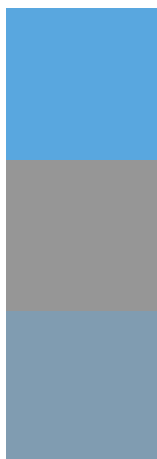
Deuteranomaly

33.6706, 34.7231, 75.4486

Tritanomaly

28.3300, 35.0051, 60.5219

Monochromacy



Original Color

31.2578, 35.0890, 74.9374

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.7264, 31.5405, 46.1688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2578, 35.0890, 74.9374 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(89, 167, 223)` looks like.

```
.text, #text, p{  
    color:rgb(89, 167, 223)  
}
```

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(89, 167, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 167, 223) }
```

Border

The CSS property to change the border of an element to XYZ 31.2578, 35.0890, 74.9374 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(89, 167, 223) }
```


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

```
.border{ border-color:rgb(89, 167, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 167, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 167, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 167, 223);  
box-shadow:4px 4px 4px 4px rgb(89, 167,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2578, 35.0890, 74.9374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 167, 223) }
```

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

```
.background{ background-color: rgb(89, 167,  
223) }
```

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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