

Converting Colors

XYZ(29.4352, 32.2413, 74.6725)

Have a look what the booklet for
XYZ(29.4352, 32.2413, 74.6725)
contains.

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Color

**XYZ(29.4574, 32.3083,
74.4956)**

Conversions

Conversions Part 1

Format	Color
Hex	53A0DF
RGB	83, 160, 223
RGB Percent	33%, 63%, 87%
CMY	0.6745, 0.3725, 0.1255
CMYK	0.63, 0.28, 0.00, 0.13
HSL	207°, 69%, 60%
HSV	207°, 63%, 87%
XYZ	29.4574, 32.3083, 74.4956
YIQ	144.1590, -66.1150, 3.2690

Conversions

Conversions Part 2

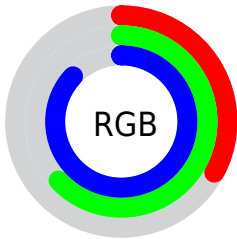
Format	Color
R _Y B	83, 133, 223
Decimal	5480671
CIE Lab	63.60, -4.72, -39.00
CIE LCh	64, 39.282, 263.095
Yxy	32.3083, 0.2162, 0.2371
Android (android.graphics.Color)	4283670751 (0xFF53A0DF)
YUV	144.1590, 38.8686, -53.6364
Hunter-Lab	56.8404, -6.9635, -37.9178

Details

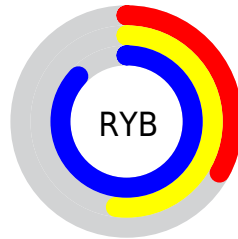
The XYZ color **29.4574, 32.3083, 74.4956** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **42.2734, 36.8728, 13.0744**, and the grayscale version is **26.4420, 27.8191, 30.2950**.

A 20% lighter version of the original color is **53.8520, 61.7502, 103.6884**, and **12.4437, 13.7273, 38.5530** is the 20% darker color. If you saturate the color by 10%, you get **26.1270, 28.1126, 73.8619**, and if you desaturate by 10%, it is **33.5631, 37.1132, 75.2073**.

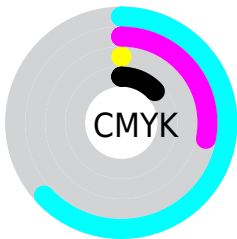
Distribution



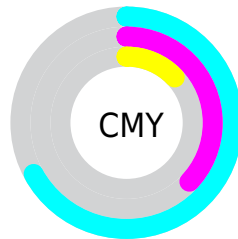
- Red (33%)
- Green (63%)
- Blue (87%)



- Red (33%)
- Yellow (52%)
- Blue (87%)



- Cyan (63%)
- Magenta (28%)
- Yellow (0%)
- Black (13%)



- Cyan (67%)
- Magenta (37%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4574, 32.3083, 74.4956 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 29.4574, 32.3083, 74.4956 by changing the saturation by 10% instead.

■ 29.4574, 32.3083,
74.4956

■ 29.4574, 32.3083,
74.4956

291.3224,
312.5213, 495.3912

■ 19.5731, 21.5971,
54.7005

■ 58.1956, 63.2941,
127.3386

■ 12.1916, 13.5612,
38.7650

■ 77.7802, 84.3375,
161.2237

■ 6.9474, 7.8161,
26.2706

■ 101.3289,
109.5937, 200.6424

■ 3.4753, 3.9775,
16.7986

■ 129.2072,
139.4471, 246.0135

■ 1.4098, 1.6610,
9.9305

161.7803,
174.2822, 297.7553

■ 0.2632, 0.3982,
5.2479

199.4137,

■ 0.0000, 0.0000,

214.4834, 356.2865

2.3322

242.4726,
260.4349, 422.0256

■ 0.0000, 0.0000,
0.7492

■ 0.0000, 0.0000,
0.0000

■ 29.4574, 32.3083,
74.4956

■ 29.4574, 32.3083,
74.4956

■ 26.1270, 28.1126,
73.8619

■ 33.5631, 37.1132,
75.2073

■ 23.5019, 24.4837,
73.2998

■ 38.4987, 42.5586,
75.9982

■ 21.5037, 21.3764,
72.8054

■ 44.3172, 48.6769,
76.8725

■ 20.3586, 19.4062,
72.4855

■ 51.0661, 55.4971,
77.8332

■ 58.7892, 63.0462,
78.8833

■ 67.5274, 71.3492,
80.0254

■ 77.3192, 80.4302,
81.2621

■ 85.8035, 89.0760,
82.4837

■ 88.8447, 95.1584,
83.4975

Harmonies

Analogous

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



24.7998, 32.3083, 65.2839



29.4574, 32.3083, 74.4956



35.0341, 32.3083, 70.9232

Triad

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



29.4574, 32.3083, 74.4956



41.4681, 32.3083, 24.6096



23.0224, 32.3083, 19.9781

Complementary

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



29.4574, 32.3083, 74.4956



42.2734, 36.8728, 13.0744

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.



26.7537, 32.3083, 14.0655



29.4574, 32.3083, 74.4956



37.4873, 32.3083, 16.1300

Square

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



29.4574, 32.3083, 74.4956



42.4145, 32.3083, 38.9362



31.9936, 32.3083, 12.9040



21.3820, 32.3083, 31.6702

Rectangle

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



29.4574, 32.3083, 74.4956



38.4928, 32.3083, 62.1683



31.9936, 32.3083, 12.9040



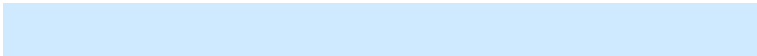
24.0508, 32.3083, 17.4092

Sweetspot

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



29.4586, 32.3094, 74.4964



72.8512, 78.8099, 105.9799



35.1446, 56.6907, 36.2863



14.9709, 16.2550, 22.5984



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.



29.4586, 32.3094, 74.4964



34.3239, 36.6531, 99.8734



20.5443, 14.4808, 71.5250



13.5738, 14.4867, 17.4685



12.0850, 11.6395, 42.6581



0.9267, 0.9849, 2.9865

Inverse Universe

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



39.8709, 24.4140, 35.8695



50.2146, 27.7608, 40.2156



56.5496, 65.4252, 17.8331



14.0211, 13.8261, 15.8813



20.0401, 10.0831, 12.1430



1.4340, 0.7169, 1.0784

Previews

White Background



This preview shows how the XYZ color 29.4574, 32.3083, 74.4956 looks on a white background.

Color Contrast Check

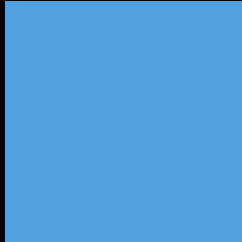
Large Text (above 18pt) WCAG AA × Fail

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 29.4574, 32.3083, 74.4956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

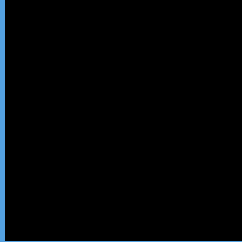
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4574, 32.3083, 74.4956

Background



This preview shows how black text looks on a background with the XYZ color 29.4574, 32.3083, 74.4956.

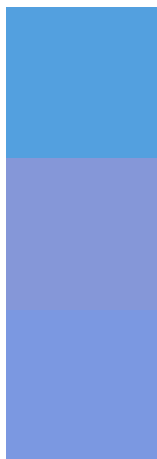


This preview shows how white text looks on a background with the XYZ color 29.4574, 32.3083,

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

29.4574, 32.3083, 74.4956

Protanopia

33.1341, 32.0776, 69.4110

Deuteranopia

32.9872, 32.1037, 75.6922



Tritanopia

24.3297, 32.3656, 48.6809

Trichromacy



Original Color

29.4574, 32.3083, 74.4956

Protanomaly

31.4120, 31.8705, 71.5139

Deuteranomaly

31.3602, 32.0127, 75.0472

Tritanomaly

25.9447, 32.1979, 57.0719

Monochromacy



Original Color

29.4574, 32.3083, 74.4956

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.4752, 28.9674, 43.7310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4574, 32.3083, 74.4956 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(83, 160, 223)` looks like.

```
.text, #text, p{  
    color:rgb(83, 160, 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(83, 160, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 160, 223) }
```

Border

The CSS property to change the border of an element to XYZ 29.4574, 32.3083, 74.4956 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(83, 160, 223) }
```


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

```
.border{ border-color:rgb(83, 160, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 160, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 160, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 160, 223);  
box-shadow:4px 4px 4px 4px rgb(83, 160,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4574, 32.3083, 74.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 160, 223) }
```

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

```
.background{ background-color: rgb(83, 160,  
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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