

Converting Colors

XYZ(29.1920, 33.0033, 72.6450)

Have a look what the booklet for
XYZ(29.1920, 33.0033, 72.6450)
contains.

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Color

**XYZ(29.1573, 32.9814,
72.5394)**

Conversions

Conversions Part 1

Format	Color
Hex	4EA3DC
RGB	78, 163, 220
RGB Percent	31%, 64%, 86%
CMY	0.6941, 0.3608, 0.1373
CMYK	0.65, 0.26, 0.00, 0.14
HSL	204°, 67%, 58%
HSV	204°, 65%, 86%
XYZ	29.1573, 32.9814, 72.5394
YIQ	144.0830, -68.9570, -0.2930

Conversions

Conversions Part 2

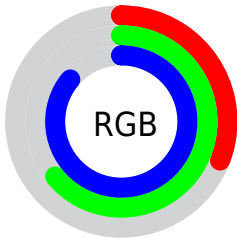
Format	Color
RYB	78, 131, 220
Decimal	5153756
CIELab	64.15, -8.24, -36.49
CIElCh	64, 37.413, 257.274
Yxy	32.9814, 0.2165, 0.2449
Android (android.graphics.Color)	4283343836 (0xFF4EA3DC)
YUV	144.0830, 37.4271, -57.9548
Hunter-Lab	57.4294, -9.8759, -34.6889

Details

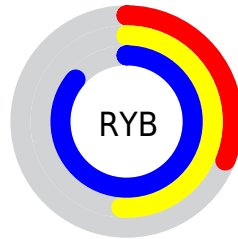
The XYZ color **29.1573, 32.9814, 72.5394** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **39.5557, 33.0955, 11.5124**, and the grayscale version is **26.4179, 27.7936, 30.2673**.

A 20% lighter version of the original color is **53.9366, 62.9383, 103.9133**, and **12.5857, 14.3050, 37.6951** is the 20% darker color. If you saturate the color by 10%, you get **26.1335, 29.1760, 71.9649**, and if you desaturate by 10%, it is **32.8956, 37.3188, 73.1802**.

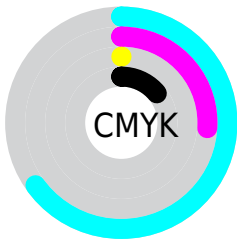
Distribution



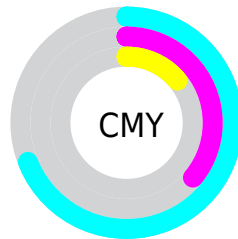
- Red (31%)
- Green (64%)
- Blue (86%)



- Red (31%)
- Yellow (51%)
- Blue (86%)



- Cyan (65%)
- Magenta (26%)
- Yellow (0%)
- Black (14%)



- Cyan (69%)
- Magenta (36%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1573, 32.9814, 72.5394 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 29.1573, 32.9814, 72.5394 by changing the saturation by 10% instead.

■ 29.1573, 32.9814,
72.5394

■ 29.1573, 32.9814,
72.5394

289.9373,
315.5659, 488.4448

■ 19.3447, 22.1122,
53.1099

■ 57.7227, 64.3465,
124.5380

■ 12.0251, 13.9394,
37.5022

■ 77.2063, 85.6112,
157.9441

■ 6.8331, 8.0785,
25.2977

■ 100.6443,
111.1098, 196.8462

■ 3.4033, 4.1452,
16.0780

■ 128.4020,
141.2268, 241.6627

■ 1.3705, 1.7551,
9.4244

160.8448,
176.3465, 292.8124

■ 0.2350, 0.4590,
4.9184

198.3380,

■ 0.0000, 0.0000,

216.8533, 350.7135

2.1416

241.2471,
263.1316, 415.7848

■ 0.0000, 0.0000,
0.6404

■ 0.0000, 0.0000,
0.0000

■ 29.1573, 32.9814,
72.5394

■ 29.1573, 32.9814,
72.5394

■ 26.1335, 29.1760,
71.9649

■ 32.8956, 37.3188,
73.1802

■ 23.7557, 25.8624,
71.4506

■ 37.4013, 42.2170,
73.8882

■ 21.9461, 22.9975,
70.9930

■ 42.7258, 47.7062,
74.6671

■ 21.1275, 21.5856,
70.7637

■ 48.9148, 53.8130,
75.5196

■ 56.0105, 60.5621,
76.4483

■ 64.0521, 67.9765,
77.4556

■ 73.0764, 76.0780,
78.5437

■ 83.1182, 84.8873,
79.7149

■ 86.0545, 90.2196,
80.5893

Harmonies

Analogous

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



24.9328, 32.9814, 61.8833



29.1573, 32.9814, 72.5394



34.4705, 32.9814, 71.5863

Triad

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



29.1573, 32.9814, 72.5394



42.1139, 32.9814, 27.9273



24.4453, 32.9814, 19.5332

Complementary

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



29.1573, 32.9814, 72.5394



39.5557, 33.0955, 11.5124

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.



28.4197, 32.9814, 14.6384



29.1573, 32.9814, 72.5394



38.7785, 32.9814, 18.4627

Square

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



29.1573, 32.9814, 72.5394



42.3691, 32.9814, 42.7276



33.6454, 32.9814, 14.3115



22.4256, 32.9814, 29.8612

Rectangle

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



29.1573, 32.9814, 72.5394



37.9296, 32.9814, 64.4823



33.6454, 32.9814, 14.3115



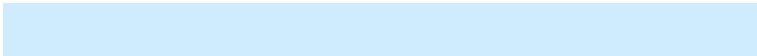
25.5753, 32.9814, 17.3417

Sweetspot

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



29.1585, 32.9826, 72.5402



73.5230, 80.1535, 106.2038



33.0954, 54.5507, 31.6347



15.1335, 16.5801, 22.6526



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.



29.1585, 32.9826, 72.5402



35.3940, 39.2612, 100.3204



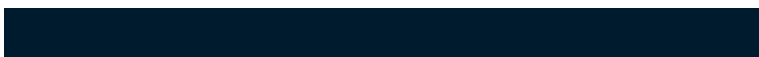
19.9059, 14.4775, 69.4560



12.9836, 13.9070, 16.6521



12.5112, 12.8919, 41.5674



0.8941, 1.0023, 2.7208

Inverse Universe

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



38.8514, 23.3100, 37.1030



50.6405, 27.4939, 43.8065



52.9144, 59.8131, 15.9653



13.3816, 13.1817, 15.2707



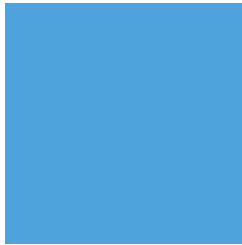
19.8104, 9.9252, 13.9136



1.3256, 0.6599, 1.1235

Previews

White Background



This preview shows how the XYZ color 29.1573, 32.9814, 72.5394 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 29.1573, 32.9814, 72.5394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

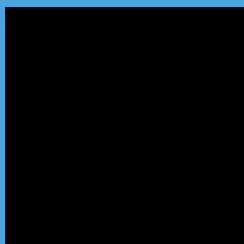
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

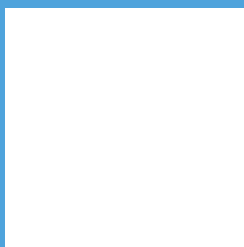
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1573, 32.9814, 72.5394

Background



This preview shows how black text looks on a background with the XYZ color 29.1573, 32.9814, 72.5394.

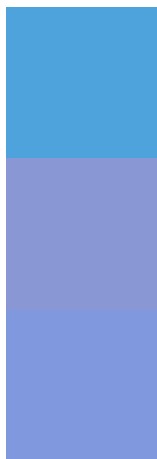


This preview shows how white text looks on a background with the XYZ color 29.1573, 32.9814,

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

29.1573, 32.9814, 72.5394

Protanopia

33.4284, 32.5283, 66.8041

Deuteranopia

33.4781, 32.6456, 73.6440



Tritanopia

24.7714, 33.1097, 50.4326

Trichromacy



Original Color

29.1573, 32.9814, 72.5394

Protanomaly

31.3567, 32.3962, 68.8904

Deuteranomaly

31.5385, 32.6494, 73.0463

Tritanomaly

26.0767, 32.7925, 57.7785

Monochromacy



Original Color

29.1573, 32.9814, 72.5394

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.2587, 29.1048, 43.2635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1573, 32.9814, 72.5394 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(78, 163, 220)` looks like.

```
.text, #text, p{  
    color:rgb(78, 163, 220)  
}
```

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(78, 163, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 163, 220) }
```

Border

The CSS property to change the border of an element to XYZ 29.1573, 32.9814, 72.5394 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(78, 163, 220) }
```


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

```
.border{ border-color:rgb(78, 163, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 163, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 163, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 163, 220);  
box-shadow:4px 4px 4px 4px rgb(78, 163,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1573, 32.9814, 72.5394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 163, 220) }
```

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

```
.background{ background-color: rgb(78, 163,  
220) }
```

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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