

Converting Colors

XYZ(29.6629, 34.0276, 71.7865)

Have a look what the booklet for
XYZ(29.6629, 34.0276, 71.7865)
contains.

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Color

**XYZ(29.7307, 34.0924,
72.0313)**

Conversions

Conversions Part 1

Format	Color
Hex	50A6DB
RGB	80, 166, 219
RGB Percent	31%, 65%, 86%
CMY	0.6862, 0.3490, 0.1412
CMYK	0.63, 0.24, 0.00, 0.14
HSL	203°, 66%, 59%
HSV	203°, 63%, 86%
XYZ	29.7307, 34.0924, 72.0313
YIQ	146.3280, -68.2690, -1.7490

Conversions

Conversions Part 2

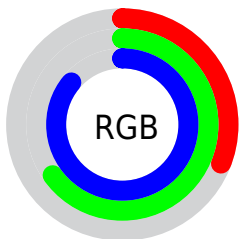
Format	Color
R _Y B	80, 133, 219
Decimal	5285595
CIE Lab	65.04, -9.88, -34.55
CIE LCh	65, 35.936, 254.039
Yxy	34.0924, 0.2188, 0.2509
Android (android.graphics.Color)	4283475675 (0xFF50A6DB)
YUV	146.3280, 35.8273, -58.1697
Hunter-Lab	58.3887, -11.2905, -32.2711

Details

The XYZ color **29.7307, 34.0924, 72.0313** 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 **39.0504, 32.4165, 11.7898**, and the grayscale version is **27.3351, 28.7587, 31.3182**.

A 20% lighter version of the original color is **54.8910, 64.5956, 104.1829**, and **12.7182, 14.7150, 37.2919** is the 20% darker color. If you saturate the color by 10%, you get **26.7050, 30.3523, 71.4695**, and if you desaturate by 10%, it is **33.4597, 38.3426, 72.6558**.

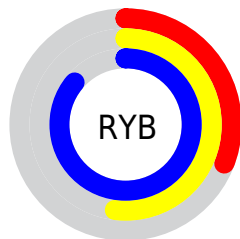
Distribution



Red (31%)

Green (65%)

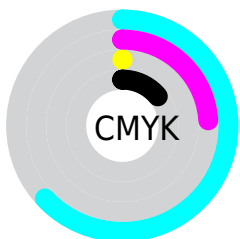
Blue (86%)



Red (31%)

Yellow (52%)

Blue (86%)

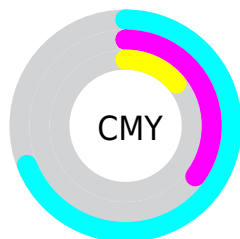


Cyan (63%)

Magenta (24%)

Yellow (0%)

Black (14%)



Cyan (69%)

Magenta (35%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7307, 34.0924, 72.0313 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 29.7307, 34.0924, 72.0313 by changing the saturation by 10% instead.

■ 29.7307, 34.0924,
72.0313

■ 29.7307, 34.0924,
72.0313

292.5796,
320.5439, 486.6310

■ 19.7813, 22.9646,
52.6973

■ 58.6256, 66.0773,
123.8092

■ 12.3435, 14.5674,
37.1751

■ 78.3018, 87.7032,
157.0901

■ 7.0519, 8.5163,
25.0462

■ 101.9510,
113.5973, 195.8570

■ 3.5412, 4.4271,
15.8922

■ 129.9386,
144.1439, 240.5285

■ 1.4460, 1.9152,
9.2943

162.6299,
179.7275, 291.5231

■ 0.2887, 0.5575,
4.8342

200.3903,

■ 0.0000, 0.0000,

220.7324, 349.2594

2.0933

243.5850,
267.5431, 414.1558

■ 0.0000, 0.0000,
0.6118

■ 0.0000, 0.0000,
0.0000

■ 29.7307, 34.0924,
72.0313

■ 29.7307, 34.0924,
72.0313

■ 26.7050, 30.3523,
71.4695

■ 33.4597, 38.3426,
72.6558

■ 24.3163, 27.0836,
70.9645

■ 37.9432, 43.1301,
73.3436

■ 22.4898, 24.2455,
70.5130

■ 43.2312, 48.4840,
74.0983

■ 21.5195, 22.5808,
70.2428

■ 49.3682, 54.4298,
74.9225

■ 56.3952, 60.9910,
75.8186

■ 64.3506, 68.1899,
76.7888

■ 73.2700, 76.0473,
77.8353

■ 83.1107, 84.5432,
78.9565

■ 85.5283, 89.3786,
79.7624

Harmonies

Analogous

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



25.7328, 34.0924, 60.8044



29.7307, 34.0924, 72.0313



34.8910, 34.0924, 72.4188

Triad

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



29.7307, 34.0924, 72.0313



43.1071, 34.0924, 30.5969



25.9367, 34.0924, 20.1028

Complementary

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



29.7307, 34.0924, 72.0313



39.0504, 32.4165, 11.7898

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.



30.0377, 34.0924, 15.6902



29.7307, 34.0924, 72.0313



40.1383, 34.0924, 20.5574

Square

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



29.7307, 34.0924, 72.0313



43.0021, 34.0924, 45.5673



35.2325, 34.0924, 15.8306



23.7078, 34.0924, 29.7885

Rectangle

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



29.7307, 34.0924, 72.0313



38.3308, 34.0924, 66.2744



35.2325, 34.0924, 15.8306



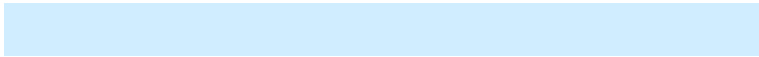
27.1217, 34.0924, 18.0850

Sweetspot

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



29.7319, 34.0936, 72.0321



73.8036, 80.7148, 106.2974



32.7356, 54.0073, 30.1620



15.2015, 16.7161, 22.6753



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.



29.7319, 34.0936, 72.0321



36.5316, 41.3081, 100.6556



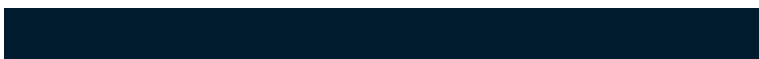
20.5137, 15.6572, 68.9594



13.0062, 13.9521, 16.6597



12.8687, 13.6069, 41.6865



0.9159, 1.0460, 2.7281

Inverse Universe

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



38.9661, 23.5520, 38.5697



51.2705, 27.9593, 46.4659



51.4249, 57.1654, 15.9147



13.3930, 13.1863, 15.3307



19.9909, 9.9974, 14.8638



1.3366, 0.6643, 1.1815

Previews

White Background



This preview shows how the XYZ color 29.7307, 34.0924, 72.0313 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 29.7307, 34.0924, 72.0313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

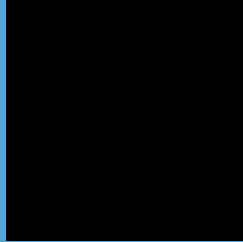
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.7307, 34.0924, 72.0313

Background



This preview shows how black text looks on a background with the XYZ color 29.7307, 34.0924, 72.0313.

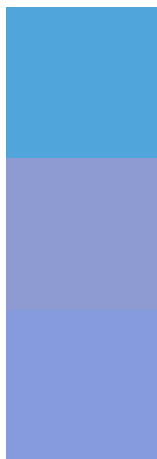


This preview shows how white text looks on a background with the XYZ color 29.7307, 34.0924,

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

29.7307, 34.0924, 72.0313

Protanopia

34.3387, 33.7586, 65.6790

Deuteranopia

34.6040, 33.7315, 73.0936



Tritanopia

25.6653, 34.1070, 51.6850

Trichromacy



Original Color

29.7307, 34.0924, 72.0313

Protanomaly

32.0161, 33.5223, 67.7338

Deuteranomaly

32.2558, 33.5410, 72.4841

Tritanomaly

27.0220, 34.0919, 58.5823

Monochromacy



Original Color

29.7307, 34.0924, 72.0313

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.9601, 29.9372, 43.8927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7307, 34.0924, 72.0313 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(80, 166, 219)` looks like.

```
.text, #text, p{  
    color:rgb(80, 166, 219)  
}
```

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(80, 166, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 166, 219) }
```

Border

The CSS property to change the border of an element to XYZ 29.7307, 34.0924, 72.0313 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(80, 166, 219) }
```


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

```
.border{ border-color:rgb(80, 166, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 166, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 166, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 166, 219);  
box-shadow:4px 4px 4px 4px rgb(80, 166,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7307, 34.0924, 72.0313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 166, 219) }
```

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

```
.background{ background-color: rgb(80, 166,  
219) }
```

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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