

Converting Colors

XYZ(29.0686, 34.4262, 77.1960)

Have a look what the booklet for
XYZ(29.0686, 34.4262, 77.1960)
contains.

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Color

**XYZ(29.0877, 34.4713,
77.0720)**

Conversions

Conversions Part 1

Format	Color
Hex	2FA9E2
RGB	47, 169, 226
RGB Percent	18%, 66%, 89%
CMY	0.8156, 0.3372, 0.1137
CMYK	0.79, 0.25, 0.00, 0.11
HSL	199°, 76%, 54%
HSV	199°, 79%, 89%
XYZ	29.0877, 34.4713, 77.0720
YIQ	139.0200, -91.0090, -8.1370

Conversions

Conversions Part 2

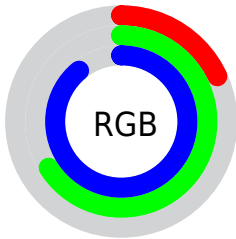
Format	Color
R _Y B	47, 120, 226
Decimal	3123682
CIE Lab	65.33, -13.64, -38.01
CIE LCh	65, 40.381, 250.265
Yxy	34.4713, 0.2068, 0.2451
Android (android.graphics.Color)	4281313762 (0xFF2FA9E2)
YUV	139.0200, 42.8811, -80.7015
Hunter-Lab	58.7123, -14.3126, -36.7318

Details

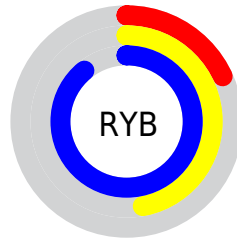
The XYZ color **29.0877, 34.4713, 77.0720** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **36.8293, 26.2775, 5.8218**, and the grayscale version is **24.4157, 25.6872, 27.9733**.

A 20% lighter version of the original color is **52.4514, 64.5244, 104.2977**, and **13.6170, 15.6249, 40.3284** is the 20% darker color. If you saturate the color by 10%, you get **27.0002, 31.4624, 76.6020**, and if you desaturate by 10%, it is **31.7901, 37.9077, 77.5936**.

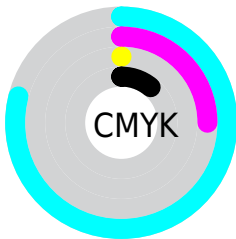
Distribution



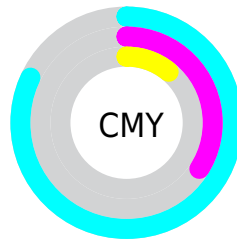
- Red (18%)
- Green (66%)
- Blue (89%)



- Red (18%)
- Yellow (47%)
- Blue (89%)



- Cyan (79%)
- Magenta (25%)
- Yellow (0%)
- Black (11%)



- Cyan (82%)
- Magenta (34%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0877, 34.4713, 77.0720 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 29.0877, 34.4713, 77.0720 by changing the saturation by 10% instead.

■ 29.0877, 34.4713,
77.0720

■ 29.0877, 34.4713,
77.0720

289.6153,
322.2285, 504.4537

■ 19.2918, 23.2559,
56.8001

■ 57.6130, 66.6659,
131.0151

■ 11.9866, 14.7826,
40.4364

■ 77.0731, 88.4139,
165.5232

■ 6.8067, 8.6669,
27.5626

■ 100.4853,
114.4416, 205.6139

■ 3.3867, 4.5246,
17.7601

■ 128.2149,
145.1333, 251.7056

■ 1.3614, 1.9711,
10.6102

■ 160.6274,
180.8734, 304.2169

■ 0.2285, 0.5906,
5.6945

198.0880,

■ 0.0000, 0.0000,

222.0464, 363.5663

2.5945

240.9622,
269.0366, 430.1724

■ 0.0000, 0.0000,
0.8896

■ 0.0000, 0.0000,
0.0000

■ 29.0877, 34.4713,
77.0720

■ 29.0877, 34.4713,
77.0720

■ 27.0002, 31.4624,
76.6020

■ 31.7901, 37.9077,
77.5936

■ 25.4065, 28.8152,
76.1750

■ 35.1781, 41.8081,
78.1679

■ 25.2882, 28.6123,
76.1421

■ 39.3157, 46.2078,
78.7990

■ 44.2585, 51.1370,
79.4899

■ 50.0561, 56.6228,
80.2432

■ 56.7542, 62.6905,
81.0614

■ 64.3950, 69.3632,
81.9466

■ 73.0179, 76.6628,
82.9011

■ 82.6599, 84.6098,
83.9268

Harmonies

Analogous

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



24.8619, 34.4713, 62.6316



29.0877, 34.4713, 77.0720



34.8230, 34.4713, 79.3322

Triad

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



29.0877, 34.4713, 77.0720



45.2145, 34.4713, 32.0471



25.9779, 34.4713, 17.8301

Complementary

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



29.0877, 34.4713, 77.0720



36.8293, 26.2775, 5.8218

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.



30.7877, 34.4713, 13.8148



29.0877, 34.4713, 77.0720



42.1845, 34.4713, 20.2355

Square

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



29.0877, 34.4713, 77.0720



44.6175, 34.4713, 49.5813



36.7376, 34.4713, 14.5387



23.2211, 34.4713, 27.6147

Rectangle

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



29.0877, 34.4713, 77.0720



38.8075, 34.4713, 73.0805



36.7376, 34.4713, 14.5387



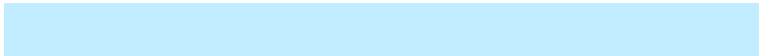
27.3828, 34.4713, 15.9163

Sweetspot

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



29.0889, 34.4725, 77.0729



70.1016, 78.3724, 106.0404



30.8527, 55.9911, 22.1965



14.3449, 16.1730, 22.6156



0.0000, 0.0000, 0.0000



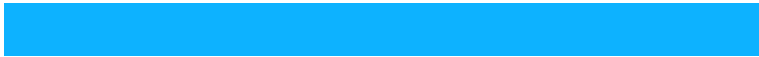
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.0889, 34.4725, 77.0729



34.1039, 39.0867, 100.3548



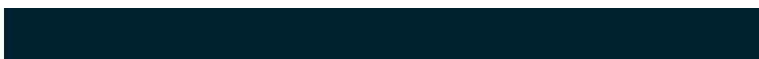
17.7567, 11.8080, 73.2954



13.7293, 14.7977, 17.5203



14.5382, 16.5459, 43.4758



1.0873, 1.3060, 3.0400

Inverse Universe

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



39.5430, 21.0677, 39.5195



49.4021, 24.7500, 44.2166



50.9890, 54.5968, 10.5417



14.0996, 13.8575, 16.2946



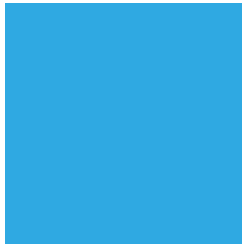
21.2784, 10.5784, 18.6636



1.5151, 0.7493, 1.5052

Previews

White Background



This preview shows how the XYZ color 29.0877, 34.4713, 77.0720 looks on a white background.

Color Contrast Check

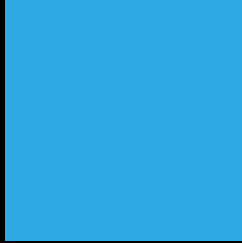
Large Text (above 18pt) WCAG AA × Fail

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 29.0877, 34.4713, 77.0720 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

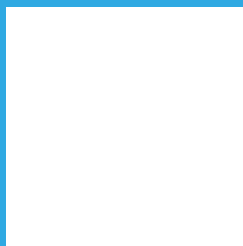
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0877, 34.4713, 77.0720

Background



This preview shows how black text looks on a background with the XYZ color 29.0877, 34.4713, 77.0720.

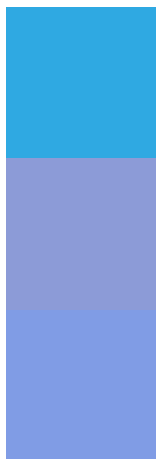


This preview shows how white text looks on a background with the XYZ color 29.0877, 34.4713,

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

29.0877, 34.4713, 77.0720

Protanopia

34.8023, 33.9244, 69.0038

Deuteranopia

34.9334, 34.0233, 78.8547

Trichromacy



Original Color

29.0877, 34.4713, 77.0720

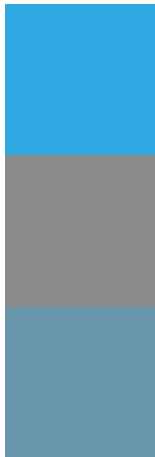
Protanomaly

31.3008, 33.3203, 71.7996

Deuteranomaly

31.8940, 33.7438, 78.2310

Monochromacy



Original Color

29.0877, 34.4713, 77.0720

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

24.2009, 27.8171, 42.6218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0877, 34.4713, 77.0720 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(47, 169, 226)` looks like.

```
.text, #text, p{  
    color:rgb(47, 169, 226)  
}
```

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(47, 169, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 169, 226) }
```

Border

The CSS property to change the border of an element to XYZ 29.0877, 34.4713, 77.0720 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(47, 169, 226) }
```

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

```
.border{ border-color:rgb(47, 169, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 169, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 169, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 169, 226);  
box-shadow:4px 4px 4px 4px rgb(47, 169,  
226) }
```


Background

The CSS property to change the background color of an element to XYZ 29.0877, 34.4713, 77.0720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 169, 226) }
```

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

```
.background{ background-color: rgb(47, 169,  
226) }
```

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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