

Converting Colors

XYZ(34.2517, 41.9987, 72.1034)

Have a look what the booklet for
XYZ(34.2517, 41.9987, 72.1034)
contains.

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Color

**XYZ(34.1877, 41.9318,
71.9374)**

Conversions

Conversions Part 1

Format	Color
Hex	5BB9D9
RGB	91, 185, 217
RGB Percent	36%, 73%, 85%
CMY	0.6431, 0.2745, 0.1490
CMYK	0.58, 0.15, 0.00, 0.15
HSL	195°, 62%, 60%
HSV	195°, 58%, 85%
XYZ	34.1877, 41.9318, 71.9374
YIQ	160.5420, -66.2960, -9.9760

Conversions

Conversions Part 2

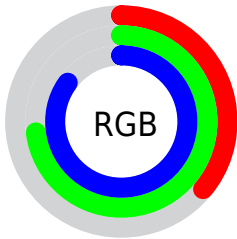
Format	Color
RYB	91, 145, 217
Decimal	6011353
CIELab	70.82, -18.65, -24.50
CIELCh	71, 30.789, 232.712
Yxy	41.9318, 0.2309, 0.2832
Android (android.graphics.Color)	4284201433 (0xFF5BB9D9)
YUV	160.5420, 27.8338, -60.9883
Hunter-Lab	64.7548, -19.0806, -20.5381

Details

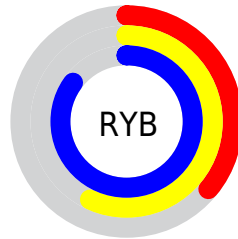
The XYZ color **34.1877, 41.9318, 71.9374** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **37.5877, 29.6744, 13.6455**, and the grayscale version is **33.5625, 35.3103, 38.4530**.

A 20% lighter version of the original color is **62.2678, 76.7099, 106.1324**, and **14.8855, 19.1692, 37.0979** is the 20% darker color. If you saturate the color by 10%, you get **31.2194, 38.7239, 71.4754**, and if you desaturate by 10%, it is **37.8218, 45.5510, 72.4452**.

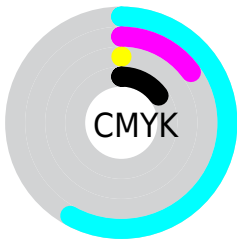
Distribution



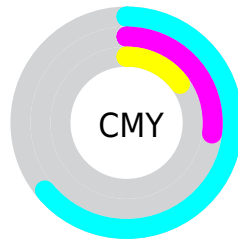
- Red (36%)
- Green (73%)
- Blue (85%)



- Red (36%)
- Yellow (57%)
- Blue (85%)



- Cyan (58%)
- Magenta (15%)
- Yellow (0%)
- Black (15%)



- Cyan (64%)
- Magenta (27%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1877, 41.9318, 71.9374 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 34.1877, 41.9318, 71.9374 by changing the saturation by 10% instead.

■ 34.1877, 41.9318,
71.9374

■ 34.1877, 41.9318,
71.9374

312.5394,
354.2001, 486.2954

■ 23.2014, 29.0479,
52.6210

■ 65.5678, 78.0964,
123.6744

■ 14.8638, 19.1171,
37.1147

■ 86.6923, 102.1459,
156.9321

■ 8.8095, 11.7549,
24.9998

■ 111.9270,
130.6860, 195.6740

■ 4.6733, 6.5770,
15.8579

■ 141.6371,
164.1012, 240.3187

■ 2.0896, 3.1990,
9.2704

176.1880,
202.7758, 291.2846

■ 0.6836, 1.2365,
4.8187

215.9452,

■ 0.0000, 0.0912,

247.0942, 348.9903

2.0844

261.2738,
297.4409, 413.8544

■ 0.0000, 0.0000,
0.6065

■ 0.0000, 0.0000,
0.0000

■ 34.1877, 41.9318,
71.9374

■ 34.1877, 41.9318,
71.9374

■ 31.2194, 38.7239,
71.4754

■ 37.8218, 45.5510,
72.4452

■ 28.8573, 35.8933,
71.0536

■ 42.1665, 49.6027,
72.9983

■ 27.0376, 33.4071,
70.6696

■ 47.2673, 54.1120,
73.5998

■ 25.6670, 31.2166,
70.3190

■ 53.1645, 59.1004,
74.2519

■ 25.4256, 30.8119,
70.2536

■ 59.8957, 64.5879,
74.9563

■ 67.4957, 70.5932,
75.7149

■ 75.9976, 77.1339,
76.5293

■ 81.8091, 82.3590,
77.2315

■ 83.3592, 85.4591,
77.7482

Harmonies

Analogous

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



31.4522, 41.9318, 57.4201



34.1877, 41.9318, 71.9374



38.6200, 41.9318, 79.6891

Triad

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



34.1877, 41.9318, 71.9374



50.4300, 41.9318, 49.3245



36.1764, 41.9318, 24.2882

Complementary

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



34.1877, 41.9318, 71.9374



37.5877, 29.6744, 13.6455

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.



41.1159, 41.9318, 23.0260



34.1877, 41.9318, 71.9374



49.6349, 41.9318, 35.6206

Square

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



34.1877, 41.9318, 71.9374



48.2044, 41.9318, 64.9386



46.1162, 41.9318, 26.7110



32.5300, 41.9318, 30.6279

Rectangle

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



34.1877, 41.9318, 71.9374



42.0589, 41.9318, 79.0200



46.1162, 41.9318, 26.7110



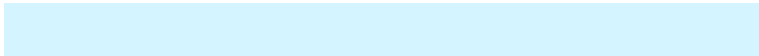
37.7293, 41.9318, 23.3205

Sweetspot

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



34.1891, 41.9334, 71.9384



77.4484, 85.8608, 107.0986



32.6724, 53.2684, 27.1366



16.1832, 18.0507, 22.8811



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.



34.1891, 41.9334, 71.9384



44.0349, 54.7061, 102.8462



23.8612, 21.2776, 68.4958



13.1503, 14.2404, 16.7077



15.4797, 18.8288, 42.5569



1.0702, 1.3545, 2.7795

Inverse Universe

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



41.1145, 25.7380, 48.7014



55.4504, 31.1346, 63.8426



47.9585, 50.4158, 17.1025



13.4658, 13.2154, 15.7139



21.3088, 10.5245, 21.8037



1.4145, 0.6954, 1.5915

Previews

White Background



This preview shows how the XYZ color 34.1877, 41.9318, 71.9374 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 34.1877, 41.9318, 71.9374 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 34.1877, 41.9318, 71.9374

Background



This preview shows how black text looks on a background with the XYZ color 34.1877, 41.9318, 71.9374.



This preview shows how white text looks on a background with the XYZ color 34.1877, 41.9318,

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

34.1877, 41.9318, 71.9374

Protanopia

41.1352, 41.5233, 64.8782

Deuteranopia

42.4161, 41.4358, 73.4725



Tritanopia

32.2961, 41.7837, 62.8628

Trichromacy



Original Color

34.1877, 41.9318, 71.9374

Protanomaly

37.5997, 41.0722, 67.5740

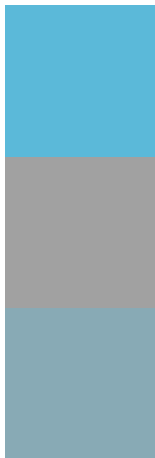
Deuteranomaly

38.4327, 41.0928, 72.9239

Tritanomaly

32.8746, 41.6981, 65.9904

Monochromacy



Original Color

34.1877, 41.9318, 71.9374

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.8686, 37.3199, 49.1872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1877, 41.9318, 71.9374 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(91, 185, 217)` looks like.

```
.text, #text, p{  
    color:rgb(91, 185, 217)  
}
```

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(91, 185, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 185, 217) }
```

Border

The CSS property to change the border of an element to XYZ 34.1877, 41.9318, 71.9374 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(91, 185, 217) }
```


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

```
.border{ border-color:rgb(91, 185, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 185, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 185, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 185, 217);  
box-shadow:4px 4px 4px 4px rgb(91, 185,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1877, 41.9318, 71.9374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 185, 217) }
```

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

```
.background{ background-color: rgb(91, 185,  
217) }
```

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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