

Converting Colors

XYZ(58.1935, 71.4391, 93.1601)

Have a look what the booklet for
XYZ(58.1935, 71.4391, 93.1601)
contains.

XYZ(58.1935, 71.4391, 93.1601)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.1935, 71.4391,
93.1601)**

Conversions

Conversions Part 1

Format	Color
Hex	9AE9F0
RGB	154, 233, 240
RGB Percent	60%, 91%, 94%
CMY	0.3961, 0.0863, 0.0588
CMYK	0.36, 0.03, 0.00, 0.06
HSL	185°, 74%, 77%
HSV	185°, 36%, 94%
XYZ	58.1935, 71.4391, 93.1601
YIQ	210.1770, -49.3310, -14.5710

Conversions

Conversions Part 2

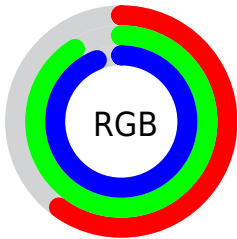
Format	Color
RYB	154, 195, 240
Decimal	10152432
CIELab	87.70, -22.40, -11.08
CIElCh	88, 24.994, 206.313
Yxy	71.4391, 0.2612, 0.3207
Android (android.graphics.Color)	4288342512 (0xFF9AE9F0)
YUV	210.1770, 14.7027, -49.2672
Hunter-Lab	84.5217, -25.0149, -6.1845

Details

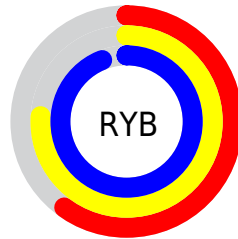
The XYZ color **58.1935, 71.4391, 93.1601** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.5138, 46.3489, 36.6465**, and the grayscale version is **61.3062, 64.4989, 70.2393**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **29.4109, 37.5016, 51.0358** is the 20% darker color. If you saturate the color by 10%, you get **53.5252, 68.2180, 92.7856**, and if you desaturate by 10%, it is **63.7854, 75.1488, 93.5826**.

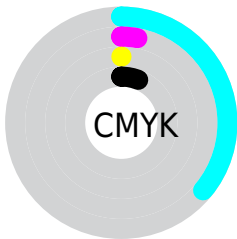
Distribution



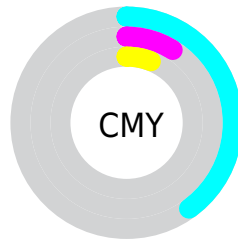
- Red (60%)
- Green (91%)
- Blue (94%)



- Red (60%)
- Yellow (76%)
- Blue (94%)



- Cyan (36%)
- Magenta (3%)
- Yellow (0%)
- Black (6%)



- Cyan (40%)
- Magenta (9%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1935, 71.4391, 93.1601 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 58.1935, 71.4391, 93.1601 by changing the saturation by 10% instead.

58.1935, 71.4391,
93.1601

58.1935, 71.4391,
93.1601

407.8488,
465.5870, 559.0910

42.2081, 52.7006,
70.0162

101.3259,
121.2587, 153.6939

29.4561, 37.5638,
51.0628

129.2037,
153.1087, 191.9208

19.5721, 25.6443,
35.8815

161.7762,
190.0979, 236.0125

12.1909, 16.5578,
24.0538

199.4090,
232.6108, 286.3874

6.9469, 9.9197,
15.1609

242.4672,
281.0318, 343.4642

3.4750, 5.3457,
8.7845

291.3164,

1.4096, 2.4515,

335.7452, 407.6614

4.5060

346.3218,
397.1354, 479.3975

■ 0.2631, 0.8522,
1.9068

■ 0.0000, 0.0000,
0.4971

■ 58.1935, 71.4391,
93.1601

■ 58.1935, 71.4391,
93.1601

■ 53.5252, 68.2180,
92.7856

■ 63.7854, 75.1488,
93.5826

■ 49.7192, 65.4489,
92.4517

■ 70.3447, 79.3647,
94.0507

■ 46.7173, 63.1032,
92.1572

■ 77.9201, 84.1134,
94.5680

■ 44.4509, 61.1457,
91.8988

■ 86.5550, 89.4176,
95.1367

■ 42.8400, 59.5351,
91.6728

■ 88.9497, 91.5140,
95.4151

■ 41.7859, 58.2205,
91.4747

■ 89.5365, 92.6876,
95.6107

■ 41.4460, 57.7265,
91.3972

■ 90.1296, 93.8737,
95.8084

■ 90.7289, 95.0723,
96.0082

■ 91.3344, 96.2834,
96.2100

Harmonies

Analogous

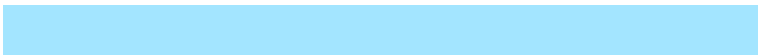
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.1561, 71.4391, 75.7060



58.1935, 71.4391, 93.1601



61.7767, 71.4391, 108.2090

Triad

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



58.1935, 71.4391, 93.1601



77.8265, 71.4391, 97.3184



68.6359, 71.4391, 49.5609

Complementary

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



58.1935, 71.4391, 93.1601



54.5138, 46.3489, 36.6465

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.



74.4166, 71.4391, 53.6759



58.1935, 71.4391, 93.1601



79.9139, 71.4391, 79.9018

Square

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



58.1935, 71.4391, 93.1601



73.0761, 71.4391, 110.8445



78.6315, 71.4391, 64.2021



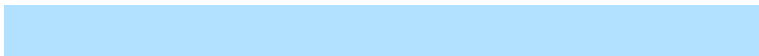
62.9757, 71.4391, 52.0543

Rectangle

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



58.1935, 71.4391, 93.1601



65.2410, 71.4391, 113.9807



78.6315, 71.4391, 64.2021



70.6318, 71.4391, 50.1995

Sweetspot

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



58.1956, 71.4419, 93.1618



84.7490, 93.6152, 108.2105



50.8099, 71.7204, 44.3026



17.8898, 19.8805, 23.1444



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.



58.1956, 71.4419, 93.1618



62.7683, 79.2306, 106.5925



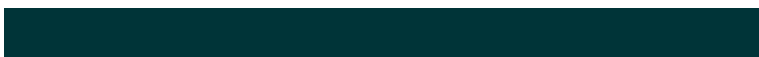
47.7452, 50.5410, 89.6783



16.1309, 17.6960, 20.2871



22.7348, 31.6938, 50.0471



1.9236, 2.7012, 4.1742

Inverse Universe

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



62.2005, 47.5214, 82.9881



68.0655, 48.2765, 92.9824



63.0624, 63.4460, 39.4960



16.3955, 16.0079, 19.6391



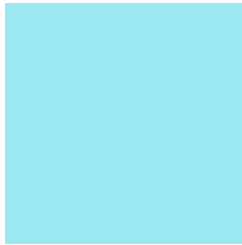
26.8011, 12.9929, 38.4647



2.2459, 1.0874, 3.2857

Previews

White Background



This preview shows how the XYZ color 58.1935, 71.4391, 93.1601 looks on a white background.

Color Contrast Check

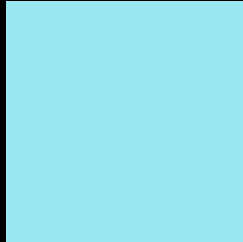
Large Text (above 18pt) WCAG AA × Fail

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 58.1935, 71.4391, 93.1601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

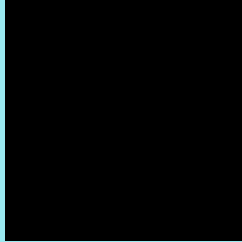
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.1935, 71.4391, 93.1601

Background



This preview shows how black text looks on a background with the XYZ color 58.1935, 71.4391, 93.1601.

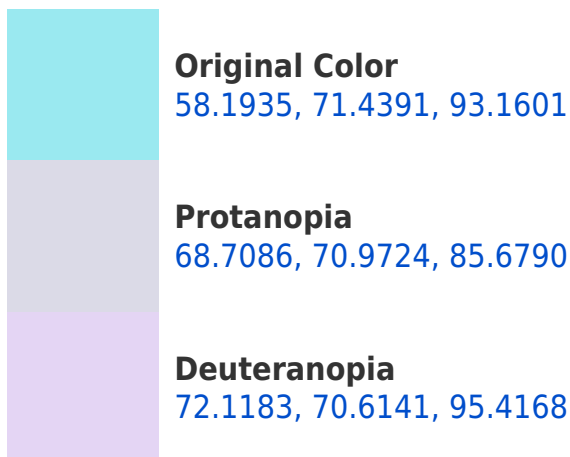


This preview shows how white text looks on a background with the XYZ color 58.1935, 71.4391,

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





Tritanopia

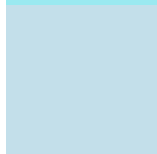
59.7359, 71.2221, 101.0413

Trichromacy



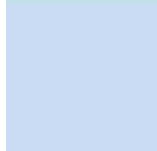
Original Color

58.1935, 71.4391, 93.1601



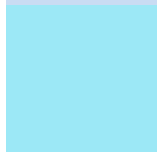
Protanomaly

63.7446, 70.3180, 88.0549



Deuteranomaly

65.8583, 70.0750, 94.8487



Tritanomaly

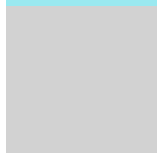
59.2015, 71.4350, 97.8569

Monochromacy



Original Color

58.1935, 71.4391, 93.1601



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

59.3578, 66.3104, 78.0773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1935, 71.4391, 93.1601 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(154, 233, 240)` looks like.

```
.text, #text, p{  
    color:rgb(154, 233, 240)  
}
```

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(154, 233, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 233, 240) }
```

Border

The CSS property to change the border of an element to XYZ 58.1935, 71.4391, 93.1601 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(154, 233, 240) }
```


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

```
.border{ border-color:rgb(154, 233, 240) }
```

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

Here you see how a box with a 4 pixel rgb(154, 233, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 233, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 233, 240);  
box-shadow:4px 4px 4px 4px rgb(154, 233,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1935, 71.4391, 93.1601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 233, 240) }
```

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

```
.background{ background-color: rgb(154,  
233, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor