

Converting Colors

XYZ(48.1150, 51.6733, 96.7794)

Have a look what the booklet for
XYZ(48.1150, 51.6733, 96.7794)
contains.

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Color

**XYZ(48.2910, 51.8895,
97.0930)**

Conversions

Conversions Part 1

Format	Color
Hex	91C3F9
RGB	145, 195, 249
RGB Percent	57%, 76%, 98%
CMY	0.4314, 0.2353, 0.0235
CMYK	0.42, 0.22, 0.00, 0.02
HSL	211°, 90%, 77%
HSV	211°, 42%, 98%
XYZ	48.2910, 51.8895, 97.0930
YIQ	186.2060, -47.1340, 6.1940

Conversions

Conversions Part 2

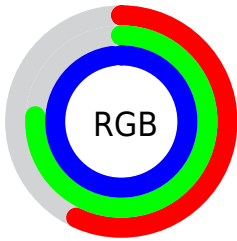
Format	Color
R _Y B	145, 179, 249
Decimal	9552889
CIE _{Lab}	77.21, -2.81, -31.79
CIE _{LCh}	77, 31.913, 264.944
Y _{xy}	51.8895, 0.2448, 0.2630
Android (android.graphics.Color)	4287742969 (0xFF91C3F9)
Y _{UV}	186.2060, 30.9574, -36.1377
Hunter-Lab	72.0344, -6.3958, -29.4912

Details

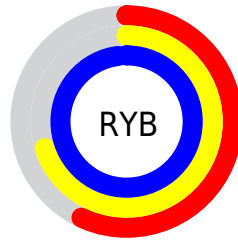
The XYZ color **48.2910, 51.8895, 97.0930** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.6024, 63.0322, 35.5513**, and the grayscale version is **46.6398, 49.0687, 53.4359**.

A 20% lighter version of the original color is **76.9043, 88.7709, 107.6890**, and **23.3073, 25.2756, 53.5194** is the 20% darker color. If you saturate the color by 10%, you get **41.6025, 44.3266, 95.9867**, and if you desaturate by 10%, it is **56.1953, 60.4537, 98.3304**.

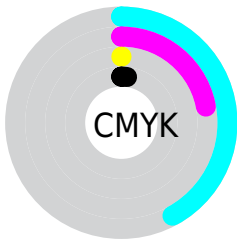
Distribution



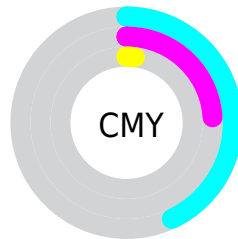
- Red (57%)
- Green (76%)
- Blue (98%)



- Red (57%)
- Yellow (70%)
- Blue (98%)



- Cyan (42%)
- Magenta (22%)
- Yellow (0%)
- Black (2%)



- Cyan (43%)
- Magenta (24%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2910, 51.8895, 97.0930 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 48.2910, 51.8895, 97.0930 by changing the saturation by 10% instead.

■ 48.2910, 51.8895,
97.0930

■ 48.2910, 51.8895,
97.0930

370.5078,
394.0099, 571.9986

■ 34.2696, 36.9170,
73.2717

■ 86.8446, 92.9683,
159.1734

■ 23.2647, 25.1432,
53.7050

■ 112.1075,
119.8433, 198.2696

■ 14.9108, 16.1838,
37.9743

141.8483,
151.4547, 243.2945

■ 8.8427, 9.6543,
25.6611

176.4323,
188.1867, 294.6666

■ 4.6950, 5.1704,
16.3468

216.2249,
230.4239, 352.8046

■ 2.1024, 2.3476,
9.6129

261.5915,

■ 0.6905, 0.7987,

278.5505, 418.1269

5.0408

312.8973,
332.9511, 491.0520

■ 0.0000, 0.0000,
2.2121

■ 0.0000, 0.0000,
0.6813

■ 48.2910, 51.8895,
97.0930

■ 48.2910, 51.8895,
97.0930

■ 41.6025, 44.3266,
95.9867

■ 56.1953, 60.4537,
98.3304

■ 36.0547, 37.7137,
95.0027

■ 65.3740, 70.0552,
99.6999

■ 31.5717, 32.0029,
94.1366

■ 75.8879, 80.7352,
101.2072

■ 28.0649, 27.1383,
93.3825

■ 87.7922, 92.5305,
102.8565

■ 25.4284, 23.0547,
92.7333

■ 94.0991, 99.6196,
103.8924

■ 23.7811, 20.2037,
92.2698

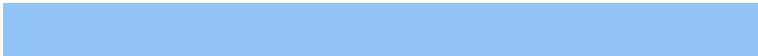
Harmonies

Analogous

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



42.8727, 51.8895, 88.7709



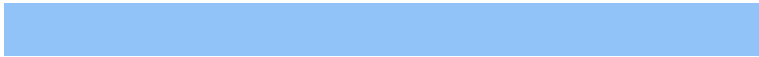
48.2910, 51.8895, 97.0930



54.4435, 51.8895, 92.8402

Triad

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



48.2910, 51.8895, 97.0930



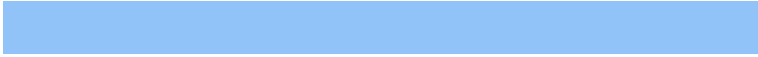
60.7609, 51.8895, 43.4601



40.3113, 51.8895, 39.2883

Complementary

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



48.2910, 51.8895, 97.0930



64.6024, 63.0322, 35.5513

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.



44.5274, 51.8895, 31.1465



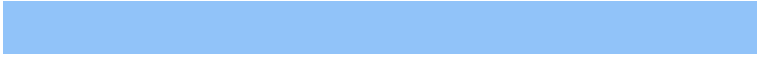
48.2910, 51.8895, 97.0930



56.3820, 51.8895, 33.1834

Square

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



48.2910, 51.8895, 97.0930



61.9762, 51.8895, 59.5171



50.3623, 51.8895, 29.1672



38.5150, 51.8895, 53.5844

Rectangle

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



48.2910, 51.8895, 97.0930



58.0957, 51.8895, 83.8258



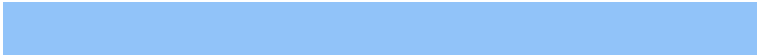
50.3623, 51.8895, 29.1672



41.4747, 51.8895, 35.8681

Sweetspot

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



48.2927, 51.8915, 97.0942



78.6410, 83.7514, 106.6286



55.8320, 77.8835, 65.9626



16.2894, 17.3785, 22.7458



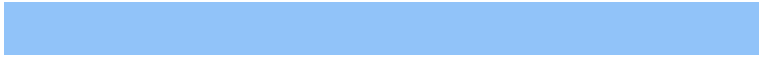
0.0000, 0.0000, 0.0000



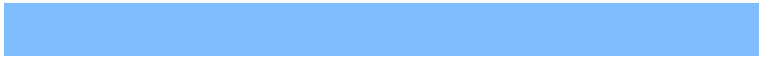
20.3446, 21.4041, 23.3091

Same Dimension

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



48.2927, 51.8915, 97.0942



45.0314, 48.0792, 101.5145



39.2107, 33.2705, 93.9787



16.9716, 18.0201, 21.9690



12.8701, 11.0959, 49.4369



1.2975, 1.2387, 4.6139

Inverse Universe

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



59.0441, 44.3323, 57.0768



58.0576, 40.2336, 52.7356



77.4395, 89.6194, 40.0066



17.5922, 17.3642, 19.7083



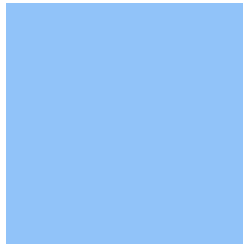
22.7883, 11.5310, 10.8594



2.1638, 1.0893, 1.2862

Previews

White Background



This preview shows how the XYZ color 48.2910, 51.8895, 97.0930 looks on a white background.

Color Contrast Check

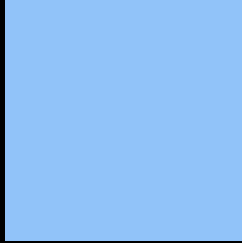
Large Text (above 18pt) WCAG AA × Fail

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 48.2910, 51.8895, 97.0930 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

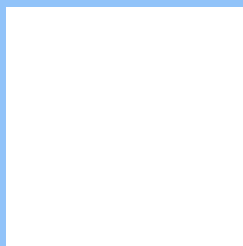
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.2910, 51.8895, 97.0930

Background



This preview shows how black text looks on a background with the XYZ color 48.2910, 51.8895, 97.0930.



This preview shows how white text looks on a background with the XYZ color 48.2910, 51.8895,

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

48.2910, 51.8895, 97.0930

Protanopia

52.2168, 51.7282, 92.8204

Deuteranopia

52.8621, 51.6196, 98.4442



Tritanopia

43.5644, 52.0173, 73.3899

Trichromacy



Original Color

48.2910, 51.8895, 97.0930

Protanomaly

50.7824, 51.9148, 94.5328

Deuteranomaly

50.9786, 51.6216, 97.7196

Tritanomaly

45.2137, 51.9930, 81.7814

Monochromacy



Original Color

48.2910, 51.8895, 97.0930

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.5008, 49.6566, 67.4554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2910, 51.8895, 97.0930 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(145, 195, 249)` looks like.

```
.text, #text, p{  
    color:rgb(145, 195, 249)  
}
```

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(145, 195, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 195, 249) }
```

Border

The CSS property to change the border of an element to XYZ 48.2910, 51.8895, 97.0930 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(145, 195, 249) }
```


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

```
.border{ border-color:rgb(145, 195, 249) }
```

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

Here you see how a box with a 4 pixel rgb(145, 195, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 195, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 195, 249);  
box-shadow:4px 4px 4px 4px rgb(145, 195,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2910, 51.8895, 97.0930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 195, 249) }
```

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

```
.background{ background-color: rgb(145,  
195, 249) }
```

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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