

Converting Colors

XYZ(47.6438, 51.0026, 92.1283)

Have a look what the booklet for
XYZ(47.6438, 51.0026, 92.1283)
contains.

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Color

**XYZ(47.6421, 51.0006,
92.1271)**

Conversions

Conversions Part 1

Format	Color
Hex	95C1F3
RGB	149, 193, 243
RGB Percent	58%, 76%, 95%
CMY	0.4157, 0.2431, 0.0471
CMYK	0.39, 0.21, 0.00, 0.05
HSL	212°, 80%, 77%
HSV	212°, 39%, 95%
XYZ	47.6421, 51.0006, 92.1271
YIQ	185.5440, -42.2740, 6.2220

Conversions

Conversions Part 2

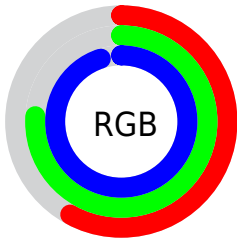
Format	Color
R_{YB}	149, 179, 243
Decimal	9814515
CIE _{Lab}	76.68, -2.30, -29.37
CIE _{LCh}	77, 29.462, 265.523
Yxy	51.0006, 0.2497, 0.2673
Android (android.graphics.Color)	4288004595 (0xFF95C1F3)
YUV	185.5440, 28.3258, -32.0491
Hunter-Lab	71.4147, -5.8950, -26.4956

Details

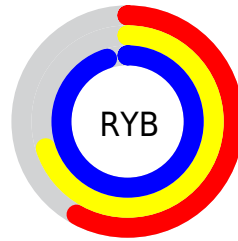
The XYZ color **47.6421, 51.0006, 92.1271** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.8116, 62.0727, 37.1063**, and the grayscale version is **46.2824, 48.6927, 53.0264**.

A 20% lighter version of the original color is **77.3793, 88.0932, 107.5331**, and **22.9638, 24.7237, 50.5755** is the 20% darker color. If you saturate the color by 10%, you get **40.9292, 43.4829, 91.0308**, and if you desaturate by 10%, it is **55.5330, 59.4985, 93.3524**.

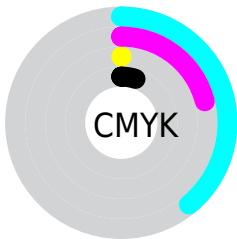
Distribution



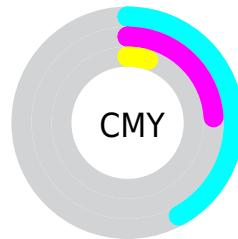
- Red (58%)
- Green (76%)
- Blue (95%)



- Red (58%)
- Yellow (70%)
- Blue (95%)



- Cyan (39%)
- Magenta (21%)
- Yellow (0%)
- Black (5%)



- Cyan (42%)
- Magenta (24%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6421, 51.0006, 92.1271 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 47.6421, 51.0006, 92.1271 by changing the saturation by 10% instead.

■ 47.6421, 51.0006,
92.1271

■ 47.6421, 51.0006,
92.1271

367.9780,
390.5661, 555.6739

■ 33.7536, 36.2091,
69.1626

■ 85.8842, 91.6557,
152.2508

■ 22.8664, 24.5957,
50.3715

■ 110.9686,
118.2880, 190.2470

■ 14.6150, 15.7761,
35.3355

140.5156,
149.6361, 234.0909

■ 8.6342, 9.3659,
23.6358

174.8906,
186.0842, 284.2009

■ 4.5586, 4.9806,
14.8540

214.4590,
228.0169, 340.9957

■ 2.0227, 2.2359,
8.5715

259.5861,

■ 0.6467, 0.7394,

275.8186, 404.8938

4.3698

310.6373,
329.8735, 476.3136

■ 0.0000, 0.0000,
1.8303

■ 0.0000, 0.0000,
0.4478

■ 47.6421, 51.0006,
92.1271

■ 47.6421, 51.0006,
92.1271

■ 40.9292, 43.4829,
91.0308

■ 55.5330, 59.4985,
93.3524

■ 35.3249, 36.8969,
90.0549

■ 64.6560, 69.0103,
94.7075

■ 30.7597, 31.1982,
89.1956

■ 75.0675, 79.5750,
96.1979

■ 27.1534, 26.3349,
88.4469

■ 86.8190, 91.2276,
97.8278

■ 24.4116, 22.2478,
87.8025

■ 93.1778, 99.2511,
99.0413

■ 22.4002, 18.8564,
87.2539

■ 22.1666, 18.4487,
87.1876

Harmonies

Analogous

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



42.6532, 51.0006, 84.8954



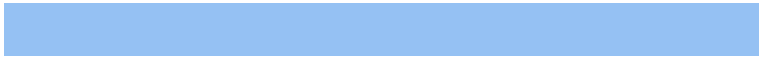
47.6421, 51.0006, 92.1271



53.2441, 51.0006, 88.1174

Triad

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



47.6421, 51.0006, 92.1271



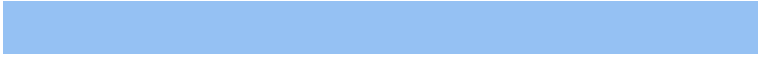
58.8115, 51.0006, 43.3199



40.1599, 51.0006, 39.8949

Complementary

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



47.6421, 51.0006, 92.1271



62.8116, 62.0727, 37.1063

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.



43.9987, 51.0006, 32.1685



47.6421, 51.0006, 92.1271



54.8028, 51.0006, 33.8637

Square

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



47.6421, 51.0006, 92.1271



59.9724, 51.0006, 57.9635



49.3166, 51.0006, 30.1926



38.5490, 51.0006, 53.1675

Rectangle

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



47.6421, 51.0006, 92.1271



56.5370, 51.0006, 79.9512



49.3166, 51.0006, 30.1926



41.2175, 51.0006, 36.6708

Sweetspot

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



47.6438, 51.0026, 92.1283



79.7002, 84.7026, 106.7563



54.5896, 74.5492, 64.6783



16.7295, 17.7961, 22.8032



0.0000, 0.0000, 0.0000



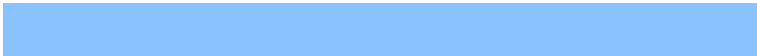
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6438, 51.0026, 92.1283



47.4649, 50.5642, 101.8659



39.6090, 34.5057, 89.3676



16.2207, 17.2057, 21.0087



12.2980, 10.3899, 47.8953



1.1828, 1.1170, 4.2435

Inverse Universe

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



57.3367, 44.4016, 56.0025



59.8674, 43.1837, 55.4025



73.9002, 85.0493, 40.9568



16.8220, 16.6116, 18.8091



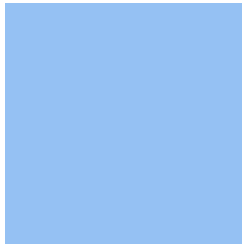
22.0120, 11.1482, 10.0375



1.9861, 1.0004, 1.1531

Previews

White Background



This preview shows how the XYZ color 47.6421, 51.0006, 92.1271 looks on a white background.

Color Contrast Check

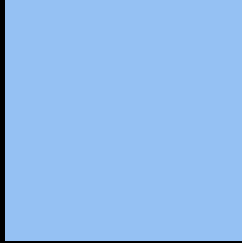
Large Text (above 18pt) WCAG AA × Fail

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 47.6421, 51.0006, 92.1271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

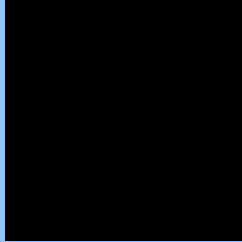
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

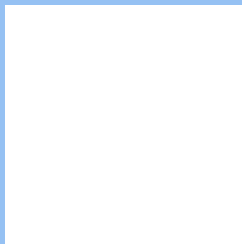
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6421, 51.0006, 92.1271

Background



This preview shows how black text looks on a background with the XYZ color 47.6421, 51.0006, 92.1271.



This preview shows how white text looks on a background with the XYZ color 47.6421, 51.0006,

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

47.6421, 51.0006, 92.1271

Protanopia

51.1074, 50.9438, 88.0284

Deuteranopia

51.9619, 50.6376, 93.4216



Tritanopia

43.4870, 50.9940, 71.1691

Trichromacy



Original Color

47.6421, 51.0006, 92.1271

Protanomaly

49.6517, 50.7935, 89.6253

Deuteranomaly

50.2487, 50.7136, 92.7283

Tritanomaly

45.0076, 50.9358, 78.6936

Monochromacy



Original Color

47.6421, 51.0006, 92.1271

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.6937, 49.7844, 66.1798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6421, 51.0006, 92.1271 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(149, 193, 243)` looks like.

```
.text, #text, p{  
    color:rgb(149, 193, 243)  
}
```

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(149, 193, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 193, 243) }
```

Border

The CSS property to change the border of an element to XYZ 47.6421, 51.0006, 92.1271 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(149, 193, 243) }
```


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

```
.border{ border-color:rgb(149, 193, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 193, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 193, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 193, 243);  
box-shadow:4px 4px 4px 4px rgb(149, 193,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6421, 51.0006, 92.1271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 193, 243) }
```

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

```
.background{ background-color: rgb(149,  
193, 243) }
```

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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