

Converting Colors

XYZ(46.2886, 50.9635, 99.8690)

Have a look what the booklet for
XYZ(46.2886, 50.9635, 99.8690)
contains.

XYZ(46.3639, 51.1753, 99.5296)	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(46.3639, 51.1753,
99.5296)**

Conversions

Conversions Part 1

Format	Color
Hex	81C4FC
RGB	129, 196, 252
RGB Percent	51%, 77%, 99%
CMY	0.4941, 0.2314, 0.0118
CMYK	0.49, 0.22, 0.00, 0.01
HSL	207°, 95%, 75%
HSV	207°, 49%, 99%
XYZ	46.3639, 51.1753, 99.5296
YIQ	182.3510, -57.9080, 3.2120

Conversions

Conversions Part 2

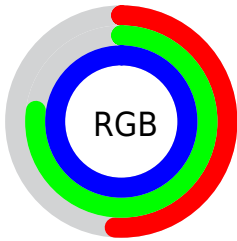
Format	Color
RYB	129, 172, 252
Decimal	8504572
CIELab	76.79, -6.34, -34.13
CIElCh	77, 34.710, 259.476
Yxy	51.1753, 0.2353, 0.2597
Android (android.graphics.Color)	4286694652 (0xFF81C4FC)
YUV	182.3510, 34.3370, -46.7888
Hunter-Lab	71.5369, -9.5017, -32.4146

Details

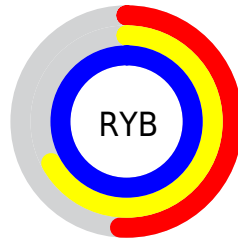
The XYZ color **46.3639, 51.1753, 99.5296** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.4578, 56.9802, 28.5300**, and the grayscale version is **44.4975, 46.8149, 50.9814**.

A 20% lighter version of the original color is **73.3539, 87.4056, 107.6125**, and **21.9776, 24.5513, 55.2103** is the 20% darker color. If you saturate the color by 10%, you get **40.5080, 44.4613, 98.5433**, and if you desaturate by 10%, it is **53.3649, 58.7754, 100.6285**.

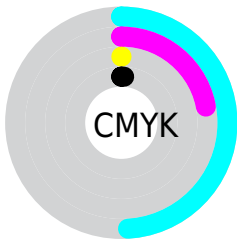
Distribution



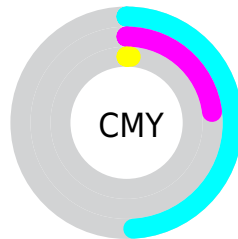
- Red (51%)
- Green (77%)
- Blue (99%)



- Red (51%)
- Yellow (67%)
- Blue (99%)



- Cyan (49%)
- Magenta (22%)
- Yellow (0%)
- Black (1%)



- Cyan (49%)
- Magenta (23%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3639, 51.1753, 99.5296 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 46.3639, 51.1753, 99.5296 by changing the saturation by 10% instead.

■ 46.3639, 51.1753,
99.5296

■ 46.3639, 51.1753,
99.5296

362.9612,
391.2445, 579.9173

■ 32.7389, 36.3481,
75.2931

■ 83.9879, 91.9138,
162.5568

■ 22.0848, 24.7032,
55.3498

■ 108.7176,
118.5940, 202.1846

■ 14.0362, 15.8561,
39.2814

■ 137.8796,
149.9940, 247.7798

■ 8.2277, 9.4224,
26.6692

171.8392,
186.4981, 299.7611

■ 4.2940, 5.0177,
17.0947

210.9618,
228.4909, 358.5470

■ 1.8698, 2.2576,
10.1394

255.6128,

■ 0.5592, 0.7511,

276.3566, 424.5559

5.3846

306.1574,
330.4796, 498.2065

■ 0.0000, 0.0000,
2.4120

■ 0.0000, 0.0000,
0.7930

■ 46.3639, 51.1753,
99.5296

■ 46.3639, 51.1753,
99.5296

■ 40.5080, 44.4613,
98.5433

■ 53.3649, 58.7754,
100.6285

■ 35.7170, 38.5826,
97.6611

■ 61.5736, 67.2972,
101.8408

■ 31.9075, 33.4904,
96.8790

■ 71.0538, 76.7808,
103.1716

■ 28.9793, 29.1260,
96.1909

■ 81.8630, 87.2617,
104.6249

■ 26.7886, 25.4080,
95.5887

■ 94.0528, 98.7723,
106.2042

■ 26.5548, 24.9962,
95.5215

■ 94.5709, 99.8083,
106.3769

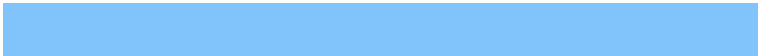
Harmonies

Analogous

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



40.8669, 51.1753, 88.0887



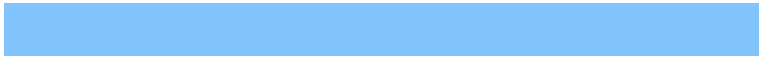
46.3639, 51.1753, 99.5296



52.9865, 51.1753, 97.3881

Triad

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



46.3639, 51.1753, 99.5296



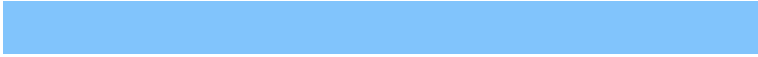
61.5841, 51.1753, 44.4820



39.6350, 51.1753, 35.3204

Complementary

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



46.3639, 51.1753, 99.5296



61.4578, 56.9802, 28.5300

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.



44.5391, 51.1753, 28.0442



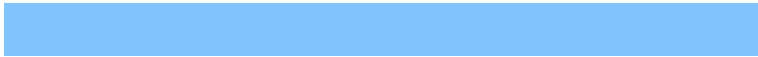
46.3639, 51.1753, 99.5296



57.3424, 51.1753, 32.4481

Square

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



46.3639, 51.1753, 99.5296



62.1848, 51.1753, 62.6119



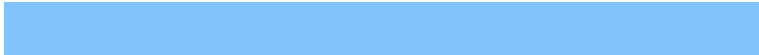
50.9906, 51.1753, 27.1273



37.2213, 51.1753, 49.3555

Rectangle

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



46.3639, 51.1753, 99.5296



57.1446, 51.1753, 88.6687



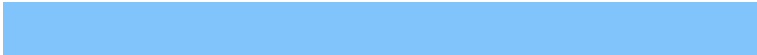
50.9906, 51.1753, 27.1273



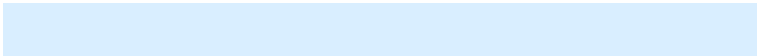
41.0251, 51.1753, 32.1516

Sweetspot

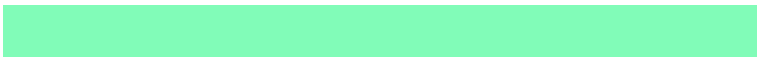
The Sweet Spot groups the original color and five complimentary colors.



46.3656, 51.1772, 99.5308



77.0450, 82.8413, 106.5370



52.5537, 77.7646, 57.7822



16.0037, 17.2560, 22.7372



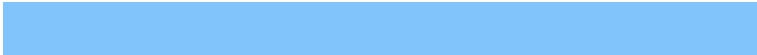
0.0000, 0.0000, 0.0000



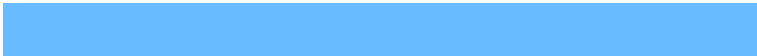
20.3446, 21.4041, 23.3091

Same Dimension

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



46.3656, 51.1772, 99.5308



41.4879, 45.5259, 101.2085



35.3107, 29.0673, 95.8458



17.0666, 18.2100, 22.0007



13.9819, 13.3194, 49.8075



1.4009, 1.4456, 4.6484

Inverse Universe

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



57.9605, 40.3833, 56.9663



55.1623, 34.8383, 50.5520



77.0187, 88.1019, 33.7169



17.6401, 17.3834, 19.9607



23.3495, 11.7555, 13.8146



2.2161, 1.1102, 1.5612

Previews

White Background



This preview shows how the XYZ color 46.3639, 51.1753, 99.5296 looks on a white background.

Color Contrast Check

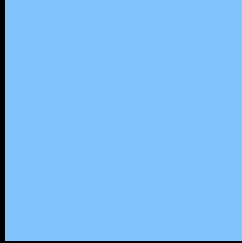
Large Text (above 18pt) WCAG AA × Fail

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 46.3639, 51.1753, 99.5296 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

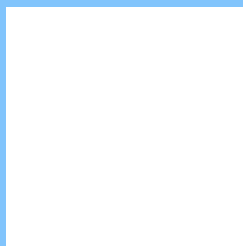
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3639, 51.1753, 99.5296

Background



This preview shows how black text looks on a background with the XYZ color 46.3639, 51.1753, 99.5296.



This preview shows how white text looks on a background with the XYZ color 46.3639, 51.1753,

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

46.3639, 51.1753, 99.5296

Protanopia

51.4853, 51.0175, 93.5200

Deuteranopia

52.0259, 50.8196, 100.8330



Tritanopia

41.2466, 51.1546, 74.0296

Trichromacy



Original Color

46.3639, 51.1753, 99.5296

Protanomaly

49.2614, 50.7723, 96.0106

Deuteranomaly

49.6606, 50.8873, 100.1333

Tritanomaly

42.9632, 51.1593, 82.4732

Monochromacy



Original Color

46.3639, 51.1753, 99.5296

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.1371, 47.8322, 65.9377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3639, 51.1753, 99.5296 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(129, 196, 252)` looks like.

```
.text, #text, p{  
    color:rgb(129, 196, 252)  
}
```

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(129, 196, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 196, 252) }
```

Border

The CSS property to change the border of an element to XYZ 46.3639, 51.1753, 99.5296 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(129, 196, 252) }
```


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

```
.border{ border-color:rgb(129, 196, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 196, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 196, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 196, 252);  
box-shadow:4px 4px 4px 4px rgb(129, 196,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3639, 51.1753, 99.5296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 196, 252) }
```

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

```
.background{ background-color: rgb(129,  
196, 252) }
```

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