

Converting Colors

XYZ(46.3111, 51.5410, 86.1921)

Have a look what the booklet for
XYZ(46.3111, 51.5410, 86.1921)
contains.

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Color

**XYZ(46.2369, 51.4073,
86.0829)**

Conversions

Conversions Part 1

Format	Color
Hex	90C4EB
RGB	144, 196, 235
RGB Percent	56%, 77%, 92%
CMY	0.4353, 0.2314, 0.0784
CMYK	0.39, 0.17, 0.00, 0.08
HSL	206°, 69%, 74%
HSV	206°, 39%, 92%
XYZ	46.2369, 51.4073, 86.0829
YIQ	184.8980, -43.5110, 1.1050

Conversions

Conversions Part 2

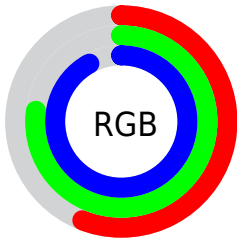
Format	Color
RYB	144, 177, 235
Decimal	9487595
CIELab	76.93, -7.30, -24.72
CIELCh	77, 25.774, 253.540
Yxy	51.4073, 0.2517, 0.2798
Android (android.graphics.Color)	4287677675 (0xFF90C4EB)
YUV	184.8980, 24.7003, -35.8675
Hunter-Lab	71.6989, -10.3627, -20.9954

Details

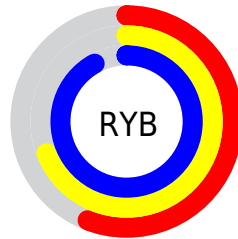
The XYZ color **46.2369, 51.4073, 86.0829** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.2295, 53.5437, 33.7585**, and the grayscale version is **45.9432, 48.3358, 52.6377**.

A 20% lighter version of the original color is **76.9947, 89.7499, 107.8732**, and **21.9295, 24.7245, 46.2643** is the 20% darker color. If you saturate the color by 10%, you get **40.3560, 45.1167, 85.1796**, and if you desaturate by 10%, it is **53.1279, 58.4473, 87.0795**.

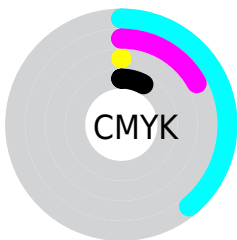
Distribution



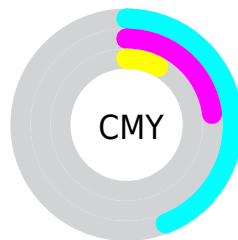
- Red (56%)
- Green (77%)
- Blue (92%)



- Red (56%)
- Yellow (69%)
- Blue (92%)



- Cyan (39%)
- Magenta (17%)
- Yellow (0%)
- Black (8%)



- Cyan (44%)
- Magenta (23%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2369, 51.4073, 86.0829 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 46.2369, 51.4073, 86.0829 by changing the saturation by 10% instead.

■ 46.2369, 51.4073,
86.0829

■ 46.2369, 51.4073,
86.0829

362.4602,
392.1442, 535.4423

■ 32.6382, 36.5329,
64.1812

■ 83.7991, 92.2565,
143.7727

■ 22.0073, 24.8460,
46.3504

■ 108.4934,
119.0001, 180.3980

■ 13.9789, 15.9624,
32.1717

137.6169,
150.4689, 222.7682

■ 8.1876, 9.4975,
21.2268

171.5349,
187.0472, 271.3019

■ 4.2680, 5.0671,
13.0970

210.6130,
229.1195, 326.4176

■ 1.8549, 2.2867,
7.3639

255.2163,

■ 0.5504, 0.7666,

277.0702, 388.5339

3.6088

305.7103,
331.2836, 458.0692

■ 0.0000, 0.0000,
1.4133

■ 0.0000, 0.0000,
0.1521

■ 46.2369, 51.4073,
86.0829

■ 46.2369, 51.4073,
86.0829

■ 40.3560, 45.1167,
85.1796

■ 53.1279, 58.4473,
87.0795

■ 35.4238, 39.5360,
84.3623

■ 61.0757, 66.2616,
88.1689

■ 31.3796, 34.6306,
83.6286

■ 70.1299, 74.8812,
89.3554

■ 28.1524, 30.3591,
82.9742

■ 80.3354, 84.3331,
90.6419

■ 25.6592, 26.6738,
82.3943

■ 89.3008, 93.3886,
91.9173

■ 23.7778, 23.5068,
81.8822

■ 91.9956, 98.7782,
92.8156

■ 23.5607, 23.1285,
81.8206

Harmonies

Analogous

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



42.3376, 51.4073, 76.7209



46.2369, 51.4073, 86.0829



51.1029, 51.4073, 86.5584

Triad

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



46.2369, 51.4073, 86.0829



58.6170, 51.4073, 49.8844



42.6472, 51.4073, 38.5865

Complementary

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



46.2369, 51.4073, 86.0829



56.2295, 53.5437, 33.7585

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.



46.6858, 51.4073, 33.6042



46.2369, 51.4073, 86.0829



56.0225, 51.4073, 39.3511

Square

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



46.2369, 51.4073, 86.0829



58.4767, 51.4073, 63.9822



51.5828, 51.4073, 33.8584



40.3620, 51.4073, 48.6632

Rectangle

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



46.2369, 51.4073, 86.0829



54.2602, 51.4073, 81.6438



51.5828, 51.4073, 33.8584



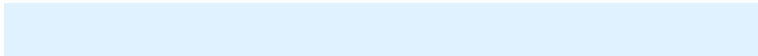
43.8326, 51.4073, 36.3420

Sweetspot

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



46.2385, 51.4093, 86.0841



80.6328, 86.5678, 107.0672



49.6461, 68.7210, 54.8602



16.9489, 18.2349, 22.8763



0.0000, 0.0000, 0.0000



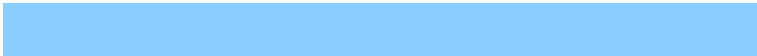
20.3446, 21.4041, 23.3091

Same Dimension

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



46.2385, 51.4093, 86.0841



50.2485, 56.1313, 102.7938



37.6592, 34.2505, 83.2243



14.9458, 15.9780, 19.2186



13.2417, 13.1304, 45.5795



1.1350, 1.2214, 3.6108

Inverse Universe

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



54.1994, 41.5957, 57.3988



61.2724, 43.7457, 62.8013



66.8793, 74.8433, 37.3084



15.4262, 15.1983, 17.5296



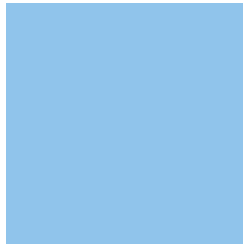
21.5391, 10.8183, 13.9061



1.7394, 0.8687, 1.3449

Previews

White Background



This preview shows how the XYZ color 46.2369, 51.4073, 86.0829 looks on a white background.

Color Contrast Check

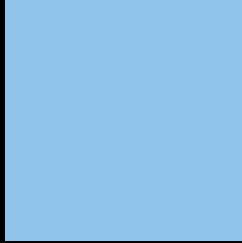
Large Text (above 18pt) WCAG AA × Fail

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 46.2369, 51.4073, 86.0829 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 46.2369, 51.4073, 86.0829

Background



This preview shows how black text looks on a background with the XYZ color 46.2369, 51.4073, 86.0829.



This preview shows how white text looks on a background with the XYZ color 46.2369, 51.4073,

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

46.2369, 51.4073, 86.0829

Protanopia

50.7356, 50.9011, 81.2796

Deuteranopia

52.3734, 51.2995, 87.2622



Tritanopia

43.3366, 51.2421, 71.8966

Trichromacy



Original Color

46.2369, 51.4073, 86.0829

Protanomaly

48.7736, 50.8119, 82.8383

Deuteranomaly

49.9160, 51.3181, 86.6314

Tritanomaly

44.3634, 51.3248, 76.6757

Monochromacy



Original Color

46.2369, 51.4073, 86.0829

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.5547, 49.2530, 63.6057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2369, 51.4073, 86.0829 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(144, 196, 235)` looks like.

```
.text, #text, p{  
    color:rgb(144, 196, 235)  
}
```

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(144, 196, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 196, 235) }
```

Border

The CSS property to change the border of an element to XYZ 46.2369, 51.4073, 86.0829 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(144, 196, 235) }
```


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

```
.border{ border-color:rgb(144, 196, 235) }
```

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

Here you see how a box with a 4 pixel rgb(144, 196, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 196, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 196, 235);  
box-shadow:4px 4px 4px 4px rgb(144, 196,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2369, 51.4073, 86.0829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 196, 235) }
```

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

```
.background{ background-color: rgb(144,  
196, 235) }
```

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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