

Converting Colors

XYZ(50.2917, 53.8696, 86.0423)

Have a look what the booklet for
XYZ(50.2917, 53.8696, 86.0423)
contains.

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Color

**XYZ(50.2715, 53.8232,
86.3366)**

Conversions

Conversions Part 1

Format	Color
Hex	A4C5EB
RGB	164, 197, 235
RGB Percent	64%, 77%, 92%
CMY	0.3569, 0.2274, 0.0784
CMYK	0.30, 0.16, 0.00, 0.08
HSL	212°, 64%, 78%
HSV	212°, 30%, 92%
XYZ	50.2715, 53.8232, 86.3366
YIQ	191.4650, -31.8660, 4.8220

Conversions

Conversions Part 2

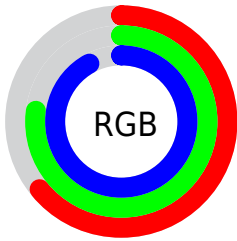
Format	Color
RYB	164, 187, 235
Decimal	10798571
CIELab	78.36, -2.36, -22.43
CIELCh	78, 22.552, 263.990
Yxy	53.8232, 0.2640, 0.2826
Android (android.graphics.Color)	4288988651 (0xFFA4C5EB)
YUV	191.4650, 21.4628, -24.0868
Hunter-Lab	73.3643, -6.0738, -18.4187

Details

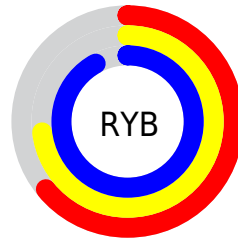
The XYZ color **50.2715, 53.8232, 86.3366** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.0832, 62.5842, 43.9313**, and the grayscale version is **49.6850, 52.2725, 56.9248**.

A 20% lighter version of the original color is **83.0070, 93.3193, 108.2452**, and **24.3896, 26.2146, 46.4223** is the 20% darker color. If you saturate the color by 10%, you get **43.1251, 46.0761, 85.2188**, and if you desaturate by 10%, it is **58.5557, 62.5131, 87.5782**.

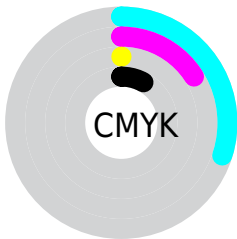
Distribution



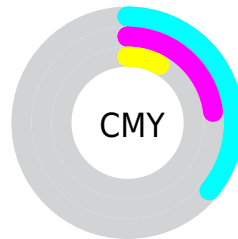
- Red (64%)
- Green (77%)
- Blue (92%)



- Red (64%)
- Yellow (73%)
- Blue (92%)



- Cyan (30%)
- Magenta (16%)
- Yellow (0%)
- Black (8%)



- Cyan (36%)
- Magenta (23%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2715, 53.8232, 86.3366 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 50.2715, 53.8232, 86.3366 by changing the saturation by 10% instead.

■ 50.2715, 53.8232,
86.3366

■ 50.2715, 53.8232,
86.3366

378.1612,
401.4355, 536.3000

■ 35.8479, 38.4603,
64.3899

■ 89.7664, 95.8146,
144.1298

■ 24.4863, 26.3402,
46.5183

■ 115.5684,
123.2119, 180.8134

■ 15.8214, 17.0783,
32.3034

145.8939,
155.3895, 223.2463

■ 9.4879, 10.2903,
21.3266

181.1082,
192.7318, 271.8471

■ 5.1204, 5.5919,
13.1694

221.5768,
235.6231, 327.0343

■ 2.3536, 2.5985,
7.4132

267.6649,

■ 0.8219, 0.9259,

284.4479, 389.2265

3.6395

319.7379,
339.5906, 458.8422

■ 0.0000, 0.0000,
1.4297

■ 0.0000, 0.0000,
0.1647

■ 50.2715, 53.8232,
86.3366

■ 50.2715, 53.8232,
86.3366

■ 43.1251, 46.0761,
85.2188

■ 58.5557, 62.5131,
87.5782

■ 37.0560, 39.2282,
84.2169

■ 68.0238, 72.1741,
88.9440

■ 32.0059, 33.2419,
83.3276

■ 78.7253, 82.8410,
90.4388

■ 27.9080, 28.0734,
82.5460

■ 89.5918, 93.9707,
92.0144

■ 24.6866, 23.6738,
81.8666

■ 91.9956, 98.7782,
92.8156

■ 22.2524, 19.9872,
81.2833

■ 20.4889, 16.9849,
80.7967

Harmonies

Analogous

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



46.3155, 53.8232, 80.6119



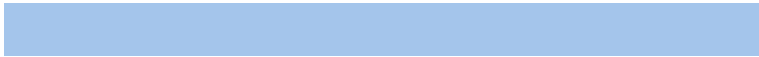
50.2715, 53.8232, 86.3366



54.6958, 53.8232, 83.8094

Triad

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



50.2715, 53.8232, 86.3366



59.3325, 53.8232, 49.2435



44.5778, 53.8232, 45.4118

Complementary

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



50.2715, 53.8232, 86.3366



62.0832, 62.5842, 43.9313

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.



47.7749, 53.8232, 39.0391



50.2715, 53.8232, 86.3366



56.3253, 53.8232, 41.0180

Square

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



50.2715, 53.8232, 86.3366



60.0956, 53.8232, 61.1933



52.0535, 53.8232, 37.5547



43.1524, 53.8232, 56.0894

Rectangle

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



50.2715, 53.8232, 86.3366



57.2982, 53.8232, 77.9454



52.0535, 53.8232, 37.5547



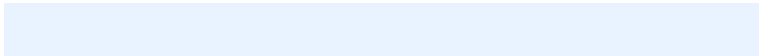
45.4717, 53.8232, 42.7607

Sweetspot

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



50.2732, 53.8253, 86.3378



83.3110, 88.3163, 107.2635



55.6643, 71.5683, 66.6760



17.4505, 18.5192, 22.9048



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.



50.2732, 53.8253, 86.3378



55.2352, 59.1075, 103.1054



44.0751, 40.6973, 84.1306



14.8083, 15.7030, 19.1728



11.5279, 9.7028, 45.0082



1.0006, 0.9527, 3.5660

Inverse Universe

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



57.6159, 48.2458, 59.1013



65.4975, 51.9754, 64.8897



69.8949, 79.3600, 46.7576



15.3568, 15.1706, 17.1642



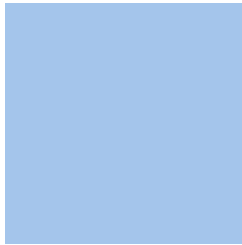
20.6741, 10.4723, 9.3509



1.6716, 0.8416, 0.9879

Previews

White Background



This preview shows how the XYZ color 50.2715, 53.8232, 86.3366 looks on a white background.

Color Contrast Check

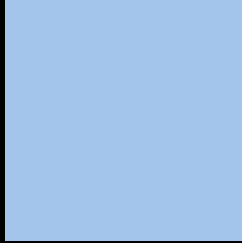
Large Text (above 18pt) WCAG AA × Fail

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 50.2715, 53.8232, 86.3366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

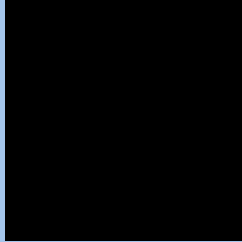
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

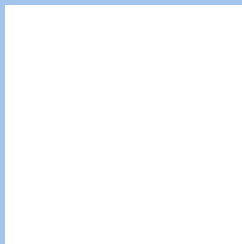
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.2715, 53.8232, 86.3366

Background



This preview shows how black text looks on a background with the XYZ color 50.2715, 53.8232, 86.3366.



This preview shows how white text looks on a background with the XYZ color 50.2715, 53.8232,

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

50.2715, 53.8232, 86.3366

Protanopia

53.2810, 53.7831, 83.1743

Deuteranopia

54.7189, 53.4568, 87.5550



Tritanopia

47.5462, 53.7400, 72.8327

Trichromacy



Original Color

50.2715, 53.8232, 86.3366

Protanomaly

51.9887, 53.7569, 83.9799

Deuteranomaly

53.0460, 53.5792, 86.9029

Tritanomaly

48.4406, 53.7516, 77.6340

Monochromacy



Original Color

50.2715, 53.8232, 86.3366

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.3885, 52.4687, 66.5559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2715, 53.8232, 86.3366 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(164, 197, 235)` looks like.

```
.text, #text, p{  
    color:rgb(164, 197, 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(164, 197, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 197, 235) }
```

Border

The CSS property to change the border of an element to XYZ 50.2715, 53.8232, 86.3366 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(164, 197, 235) }
```


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

```
.border{ border-color:rgb(164, 197, 235) }
```

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

Here you see how a box with a 4 pixel rgb(164, 197, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 197, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 197, 235);  
box-shadow:4px 4px 4px 4px rgb(164, 197,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2715, 53.8232, 86.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 197, 235) }
```

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

```
.background{ background-color: rgb(164,  
197, 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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