

Converting Colors

XYZ(50.7096, 54.0728, 87.1641)

Have a look what the booklet for
XYZ(50.7096, 54.0728, 87.1641)
contains.

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Color

**XYZ(50.6236, 53.9880,
87.1094)**

Conversions

Conversions Part 1

Format	Color
Hex	A5C5EC
RGB	165, 197, 236
RGB Percent	65%, 77%, 93%
CMY	0.3529, 0.2274, 0.0745
CMYK	0.30, 0.17, 0.00, 0.07
HSL	213°, 65%, 79%
HSV	213°, 30%, 93%
XYZ	50.6236, 53.9880, 87.1094
YIQ	191.8780, -31.5910, 5.3450

Conversions

Conversions Part 2

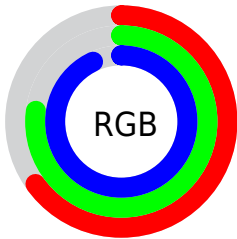
Format	Color
RYB	165, 187, 236
Decimal	10864108
CIELab	78.45, -1.83, -22.81
CIELCh	78, 22.886, 265.403
Yxy	53.9880, 0.2640, 0.2816
Android (android.graphics.Color)	4289054188 (0xFFA5C5EC)
YUV	191.8780, 21.7521, -23.5720
Hunter-Lab	73.4765, -5.6016, -18.8571

Details

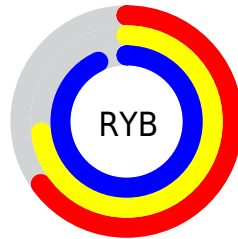
The XYZ color **50.6236, 53.9880, 87.1094** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.9772, 63.7356, 44.5817**, and the grayscale version is **49.9235, 52.5234, 57.1980**.

A 20% lighter version of the original color is **83.3106, 93.4758, 108.2594**, and **24.6162, 26.3197, 46.9628** is the 20% darker color. If you saturate the color by 10%, you get **43.3427, 46.0523, 85.9623**, and if you desaturate by 10%, it is **59.0668, 62.9011, 88.3857**.

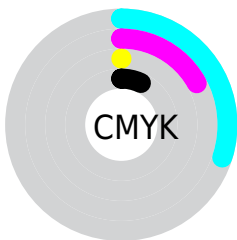
Distribution



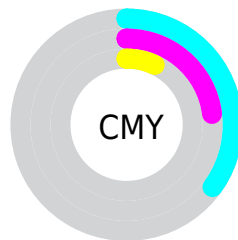
- Red (65%)
- Green (77%)
- Blue (93%)



- Red (65%)
- Yellow (73%)
- Blue (93%)



- Cyan (30%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)



- Cyan (35%)
- Magenta (23%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6236, 53.9880, 87.1094 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 50.6236, 53.9880, 87.1094 by changing the saturation by 10% instead.

■ 50.6236, 53.9880,
87.1094

■ 50.6236, 53.9880,
87.1094

379.5114,
402.0643, 538.9078

■ 36.1290, 38.5921,
65.0256

■ 90.2845, 96.0566,
145.2168

■ 24.7044, 26.4425,
47.0304

■ 116.1814,
123.4981, 182.0775

■ 15.9845, 17.1550,
32.7051

146.6098,
155.7236, 224.7010

■ 9.6040, 10.3451,
21.6314

181.9350,
193.1174, 273.5057

■ 5.1974, 5.6283,
13.3906

222.5225,
236.0640, 328.9102

■ 2.3995, 2.6204,
7.5642

268.7374,

■ 0.8449, 0.9369,

284.9477, 391.3330

3.7336

320.9453,
340.1530, 461.1927

■ 0.0000, 0.0000,
1.4804

■ 0.0000, 0.0000,
0.2032

■ 50.6236, 53.9880,
87.1094

■ 50.6236, 53.9880,
87.1094

■ 43.3427, 46.0523,
85.9623

■ 59.0668, 62.9011,
88.3857

■ 37.1626, 39.0493,
84.9363

■ 68.7194, 72.8212,
89.7918

■ 32.0239, 32.9397,
84.0279

■ 79.6318, 83.7844,
91.3327

■ 27.8587, 27.6782,
83.2319

■ 90.2115, 94.9782,
92.9357

■ 24.5899, 23.2146,
82.5426

■ 92.1405, 98.8362,
93.5787

■ 22.1270, 19.4908,
81.9536

■ 20.3330, 16.4412,
81.4596

Harmonies

Analogous

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



46.5557, 53.9880, 81.6356



50.6236, 53.9880, 87.1094



55.1165, 53.9880, 84.1329

Triad

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



50.6236, 53.9880, 87.1094



59.5345, 53.9880, 48.7801



44.5151, 53.9880, 45.8049

Complementary

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



50.6236, 53.9880, 87.1094



62.9772, 63.7356, 44.5817

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.



47.6905, 53.9880, 39.1185



50.6236, 53.9880, 87.1094



56.3859, 53.9880, 40.6519

Square

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



50.6236, 53.9880, 87.1094



60.4321, 53.9880, 60.7923



52.0106, 53.9880, 37.3791



43.1625, 53.9880, 56.8199

Rectangle

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



50.6236, 53.9880, 87.1094



57.7259, 53.9880, 77.9577



52.0106, 53.9880, 37.3791



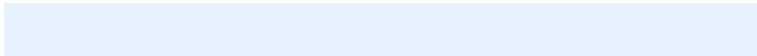
45.3954, 53.9880, 43.0436

Sweetspot

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



50.6253, 53.9901, 87.1106



83.2145, 88.1234, 107.2314



56.2773, 72.2968, 67.4064



17.4268, 18.4717, 22.8969



0.0000, 0.0000, 0.0000



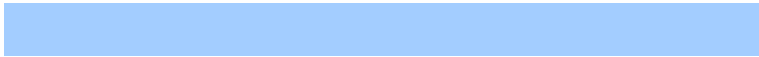
20.3446, 21.4041, 23.3091

Same Dimension

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



50.6253, 53.9901, 87.1106



54.9255, 58.4881, 103.0022



44.6107, 41.2234, 84.9634



14.7903, 15.6670, 19.1668



11.3332, 9.3133, 44.9433



0.9848, 0.9210, 3.5607

Inverse Universe

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



58.1266, 48.7758, 59.1767



65.3412, 51.9128, 64.0665



70.5994, 80.1389, 47.3461



15.3477, 15.1669, 17.1163



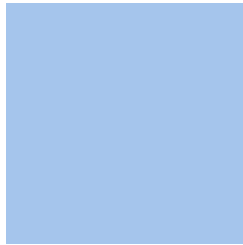
20.5758, 10.4330, 8.8333



1.6636, 0.8384, 0.9458

Previews

White Background



This preview shows how the XYZ color 50.6236, 53.9880, 87.1094 looks on a white background.

Color Contrast Check

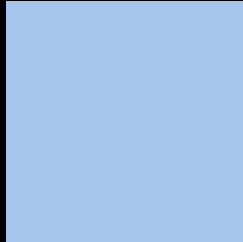
Large Text (above 18pt) WCAG AA × Fail

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 50.6236, 53.9880, 87.1094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

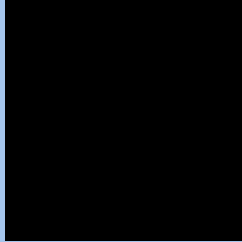
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

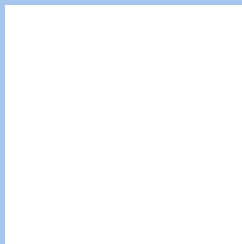
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.6236, 53.9880, 87.1094

Background



This preview shows how black text looks on a background with the XYZ color 50.6236, 53.9880, 87.1094.



This preview shows how white text looks on a background with the XYZ color 50.6236, 53.9880,

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

50.6236, 53.9880, 87.1094

Protanopia

53.5652, 53.8968, 84.6707

Deuteranopia

55.0813, 53.9471, 88.3987



Tritanopia

47.7469, 53.8435, 72.8421

Trichromacy



Original Color

50.6236, 53.9880, 87.1094

Protanomaly

52.5032, 53.9891, 85.4956

Deuteranomaly

53.4121, 54.0781, 87.7438

Tritanomaly

48.6430, 53.8559, 77.6435

Monochromacy



Original Color

50.6236, 53.9880, 87.1094

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.9684, 53.0827, 67.2869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6236, 53.9880, 87.1094 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(165, 197, 236)` looks like.

```
.text, #text, p{  
    color:rgb(165, 197, 236)  
}
```

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(165, 197, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 197, 236) }
```

Border

The CSS property to change the border of an element to XYZ 50.6236, 53.9880, 87.1094 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(165, 197, 236) }
```


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

```
.border{ border-color:rgb(165, 197, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 197, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 197, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 197, 236);  
box-shadow:4px 4px 4px 4px rgb(165, 197,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6236, 53.9880, 87.1094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 197, 236) }
```

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

```
.background{ background-color: rgb(165,  
197, 236) }
```

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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