

Converting Colors

XYZ(50.5677, 59.9038, 87.3964)

Have a look what the booklet for
XYZ(50.5677, 59.9038, 87.3964)
contains.

XYZ(50.7190, 60.1110, 87.5267)	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(50.7190, 60.1110,
87.5267)**

Conversions

Conversions Part 1

Format	Color
Hex	91D6EB
RGB	145, 214, 235
RGB Percent	57%, 84%, 92%
CMY	0.4314, 0.1608, 0.0784
CMYK	0.38, 0.09, 0.00, 0.08
HSL	194°, 69%, 75%
HSV	194°, 38%, 92%
XYZ	50.7190, 60.1110, 87.5267
YIQ	195.7630, -47.8650, -8.0970

Conversions

Conversions Part 2

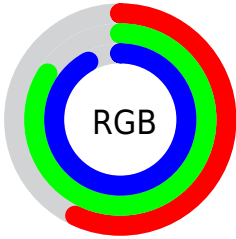
Format	Color
RYB	145, 184, 235
Decimal	9557739
CIELab	81.90, -16.42, -17.17
CIELCh	82, 23.761, 226.275
Yxy	60.1110, 0.2557, 0.3030
Android (android.graphics.Color)	4287747819 (0xFF91D6EB)
YUV	195.7630, 19.3438, -44.5192
Hunter-Lab	77.5313, -18.9096, -12.6618

Details

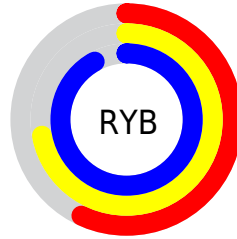
The XYZ color **50.7190, 60.1110, 87.5267** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.0091, 46.9799, 33.0638**, and the grayscale version is **52.2373, 54.9577, 59.8489**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **24.7513, 30.2246, 47.1772** is the 20% darker color. If you saturate the color by 10%, you get **45.6346, 55.4658, 86.8991**, and if you desaturate by 10%, it is **56.7102, 65.2958, 88.2127**.

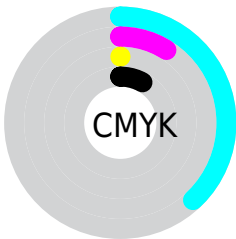
Distribution



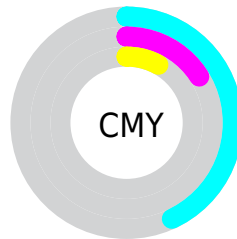
- Red (57%)
- Green (84%)
- Blue (92%)



- Red (57%)
- Yellow (72%)
- Blue (92%)



- Cyan (38%)
- Magenta (9%)
- Yellow (0%)
- Black (8%)



- Cyan (43%)
- Magenta (16%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7190, 60.1110, 87.5267 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 50.7190, 60.1110, 87.5267 by changing the saturation by 10% instead.

■ 50.7190, 60.1110,
87.5267

■ 50.7190, 60.1110,
87.5267

379.8767,
425.0068, 540.3131

■ 36.2052, 43.5081,
65.3691

■ 90.4247, 104.9907,
145.8034

■ 24.7635, 30.2840,
47.3072

■ 116.3473,
134.0362, 182.7595

■ 16.0288, 20.0542,
32.9225

146.8036,
167.9982, 225.4855

■ 9.6355, 12.4345,
21.7964

182.1588,
207.2608, 274.4000

■ 5.2183, 7.0403,
13.5105

222.7784,
252.2086, 329.9214

■ 2.4120, 3.4873,
7.6462

269.0277,

■ 0.8511, 1.3911,

303.2260, 392.4684

3.7849

321.2720,
360.6972, 462.4595

■ 0.0000, 0.2102,
1.5081

■ 0.0000, 0.0000,
0.2239

■ 50.7190, 60.1110,
87.5267

■ 50.7190, 60.1110,
87.5267

■ 45.6346, 55.4658,
86.8991

■ 56.7102, 65.2958,
88.2127

■ 41.3979, 51.3249,
86.3231

■ 63.6519, 71.0392,
88.9555

■ 37.9511, 47.6591,
85.7972

■ 71.5912, 77.3676,
89.7585

■ 35.2265, 44.4330,
85.3181

■ 80.5706, 84.3035,
90.6240

■ 33.1443, 41.6047,
84.8820

■ 87.8149, 90.4168,
91.4222

■ 31.5912, 39.1150,
84.4833

■ 89.4662, 93.7194,
91.9726

■ 31.3516, 38.7103,
84.4178

■ 91.1668, 97.1206,
92.5395

■ 91.9956, 98.7782,
92.8158

Harmonies

Analogous

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



48.3609, 60.1110, 73.5066



50.7190, 60.1110, 87.5267



54.8743, 60.1110, 96.1415

Triad

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



50.7190, 60.1110, 87.5267



67.0317, 60.1110, 72.2302



54.4714, 60.1110, 42.3415

Complementary

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



50.7190, 60.1110, 87.5267



53.0091, 46.9799, 33.0638

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.



59.4543, 60.1110, 42.1038



50.7190, 60.1110, 87.5267



66.9081, 60.1110, 58.0059

Square

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



50.7190, 60.1110, 87.5267



64.3961, 60.1110, 86.4751



64.0677, 60.1110, 47.4388



50.4390, 60.1110, 48.1442

Rectangle

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



50.7190, 60.1110, 87.5267



58.1951, 60.1110, 96.9496



64.0677, 60.1110, 47.4388



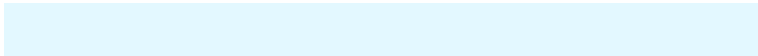
56.0853, 60.1110, 41.6408

Sweetspot

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



50.7208, 60.1133, 87.5281



83.4204, 90.9580, 107.7677



48.1329, 68.1361, 45.9755



17.5713, 19.2435, 23.0382



0.0000, 0.0000, 0.0000



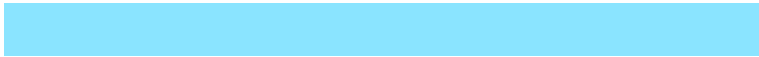
20.3446, 21.4041, 23.3091

Same Dimension

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



50.7208, 60.1133, 87.5281



56.1240, 67.8824, 104.7523



41.1426, 40.9568, 84.3353



15.2025, 16.4914, 19.3042



17.5505, 21.7480, 47.0157



1.4502, 1.8519, 3.7159

Inverse Universe

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



56.5255, 42.7696, 68.8970



64.2381, 44.9320, 78.4184



62.2964, 65.5546, 36.1596



15.5558, 15.2502, 18.2119



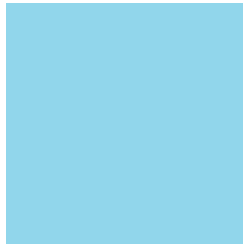
23.7140, 11.6883, 25.3590



1.8985, 0.9324, 2.1829

Previews

White Background



This preview shows how the XYZ color 50.7190, 60.1110, 87.5267 looks on a white background.

Color Contrast Check

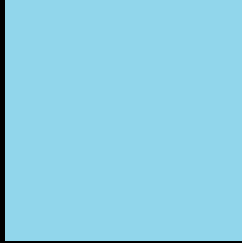
Large Text (above 18pt) WCAG AA × Fail

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 50.7190, 60.1110, 87.5267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

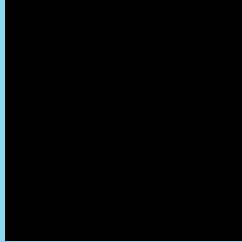
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7190, 60.1110, 87.5267

Background



This preview shows how black text looks on a background with the XYZ color 50.7190, 60.1110, 87.5267.



This preview shows how white text looks on a background with the XYZ color 50.7190, 60.1110,

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

50.7190, 60.1110, 87.5267

Protanopia

58.3050, 59.4615, 81.0773

Deuteranopia

60.8035, 59.5403, 89.1767



Tritanopia

50.3675, 60.3564, 85.3392

Trichromacy



Original Color

50.7190, 60.1110, 87.5267

Protanomaly

54.9446, 59.4395, 83.4400

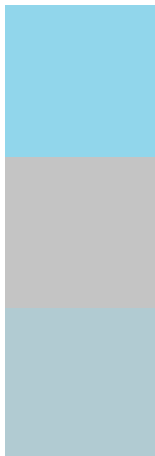
Deuteranomaly

56.4074, 59.3674, 88.6068

Tritanomaly

50.5100, 60.4134, 86.0896

Monochromacy



Original Color

50.7190, 60.1110, 87.5267

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.1203, 56.7121, 69.2250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7190, 60.1110, 87.5267 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(145, 214, 235)` looks like.

```
.text, #text, p{  
    color:rgb(145, 214, 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(145, 214, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 214, 235) }
```

Border

The CSS property to change the border of an element to XYZ 50.7190, 60.1110, 87.5267 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(145, 214, 235) }
```


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

```
.border{ border-color:rgb(145, 214, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 214, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 214, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 214, 235);  
box-shadow:4px 4px 4px 4px rgb(145, 214,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7190, 60.1110, 87.5267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 214, 235) }
```

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

```
.background{ background-color: rgb(145,  
214, 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](#).

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