

Converting Colors

XYZ(48.6854, 59.8415, 87.2554)

Have a look what the booklet for
XYZ(48.6854, 59.8415, 87.2554)
contains.

XYZ(48.7572, 59.8557, 87.5808)	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(48.7572, 59.8557,
87.5808)**

Conversions

Conversions Part 1

Format	Color
Hex	82D8EB
RGB	130, 216, 235
RGB Percent	51%, 85%, 92%
CMY	0.4902, 0.1529, 0.0784
CMYK	0.45, 0.08, 0.00, 0.08
HSL	191°, 72%, 72%
HSV	191°, 45%, 92%
XYZ	48.7572, 59.8557, 87.5808
YIQ	192.4520, -57.3550, -12.3230

Conversions

Conversions Part 2

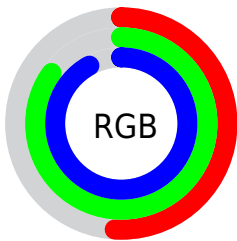
Format	Color
RYB	130, 177, 235
Decimal	8575211
CIELab	81.76, -21.12, -17.45
CIELCh	82, 27.398, 219.559
Yxy	59.8557, 0.2485, 0.3051
Android (android.graphics.Color)	4286765291 (0xFF82D8EB)
YUV	192.4520, 20.9762, -54.7704
Hunter-Lab	77.3665, -22.8986, -12.9613

Details

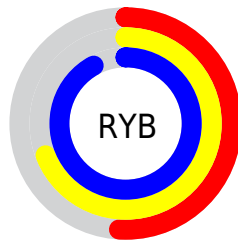
The XYZ color **48.7572, 59.8557, 87.5808** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **49.0389, 40.7700, 26.4056**, and the grayscale version is **50.2739, 52.8920, 57.5994**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **23.5540, 30.1221, 47.2205** is the 20% darker color. If you saturate the color by 10%, you get **44.4810, 56.0562, 87.0739**, and if you desaturate by 10%, it is **53.8883, 64.1405, 88.1385**.

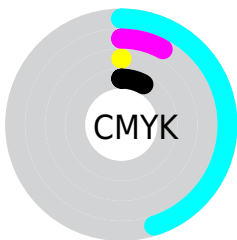
Distribution



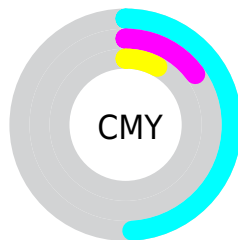
- Red (51%)
- Green (85%)
- Blue (92%)



- Red (51%)
- Yellow (69%)
- Blue (92%)



- Cyan (45%)
- Magenta (8%)
- Yellow (0%)
- Black (8%)



- Cyan (49%)
- Magenta (15%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7572, 59.8557, 87.5808 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 48.7572, 59.8557, 87.5808 by changing the saturation by 10% instead.

■ 48.7572, 59.8557,
87.5808

■ 48.7572, 59.8557,
87.5808

372.3185,
424.0657, 540.4952

■ 34.6407, 43.3023,
65.4136

■ 87.5336, 104.6203,
145.8794

■ 23.5514, 30.1224,
47.3431

■ 112.9242,
133.6004, 182.8479

■ 15.1241, 19.9315,
32.9506

■ 142.8035,
167.4914, 225.5872

■ 8.9934, 12.3453,
21.8178

177.5370,
206.6779, 274.5159

■ 4.7940, 6.9793,
13.5261

217.4898,
251.5441, 330.0525

■ 2.1604, 3.4491,
7.6568

263.0274,

■ 0.7217, 1.3705,

302.4746, 392.6155

3.7915

314.5152,
359.8536, 462.6236

■ 0.0000, 0.1948,
1.5117

■ 0.0000, 0.0000,
0.2266

■ 48.7572, 59.8557,
87.5808

■ 48.7572, 59.8557,
87.5808

■ 44.4810, 56.0562,
87.0739

■ 53.8883, 64.1405,
88.1385

■ 40.9973, 52.7055,
86.6107

■ 59.9205, 68.9306,
88.7451

■ 38.2437, 49.7723,
86.1897

■ 66.9031, 74.2531,
89.4044

■ 36.1456, 47.2181,
85.8073

■ 74.8800, 80.1309,
90.1185

■ 34.6120, 44.9953,
85.4591

■ 83.8926, 86.5857,
90.8894

■ 33.9510, 43.9090,
85.2842

■ 87.8438, 90.4747,
91.4318

■ 89.1209, 93.0287,
91.8575

■ 90.4275, 95.6419,
92.2930

■ 91.7638, 98.3147,
92.7385

Harmonies

Analogous

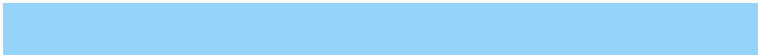
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.6347, 59.8557, 70.5939



48.7572, 59.8557, 87.5808



53.1028, 59.8557, 99.7189

Triad

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



48.7572, 59.8557, 87.5808



67.9358, 59.8557, 76.9143



55.0681, 59.8557, 38.5878

Complementary

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



48.7572, 59.8557, 87.5808



49.0389, 40.7700, 26.4056

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.



60.8554, 59.8557, 39.6983



48.7572, 59.8557, 87.5808



68.5507, 59.8557, 60.0363

Square

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



48.7572, 59.8557, 87.5808



64.2551, 59.8557, 92.8741



65.8826, 59.8557, 46.9552



50.1123, 59.8557, 43.6126

Rectangle

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



48.7572, 59.8557, 87.5808



56.8056, 59.8557, 102.3986



65.8826, 59.8557, 46.9552



56.9766, 59.8557, 38.2782

Sweetspot

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



48.7590, 59.8580, 87.5822



82.0045, 90.4785, 107.7497



44.2215, 66.2861, 38.2755



17.1226, 19.0448, 23.0235



0.0000, 0.0000, 0.0000



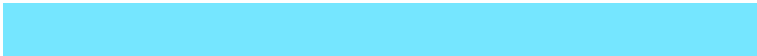
20.3446, 21.4041, 23.3091

Same Dimension

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



48.7590, 59.8580, 87.5822



53.7469, 67.6636, 104.8354



37.6581, 37.6561, 83.8819



15.2724, 16.6313, 19.3275



18.9813, 24.6095, 47.4927



1.5508, 2.0531, 3.7494

Inverse Universe

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



54.6398, 38.5870, 69.5364



61.9311, 39.7705, 79.3377



58.9459, 60.5840, 29.7079



15.5911, 15.2643, 18.3979



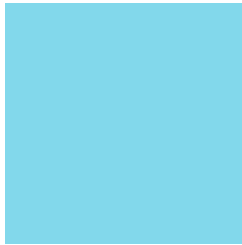
24.4362, 11.9772, 29.1619



1.9493, 0.9527, 2.4503

Previews

White Background



This preview shows how the XYZ color 48.7572, 59.8557, 87.5808 looks on a white background.

Color Contrast Check

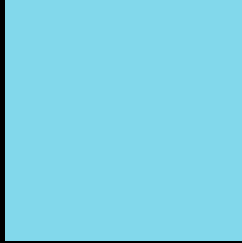
Large Text (above 18pt) WCAG AA × Fail

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 48.7572, 59.8557, 87.5808 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 48.7572, 59.8557, 87.5808

Background



This preview shows how black text looks on a background with the XYZ color 48.7572, 59.8557, 87.5808.

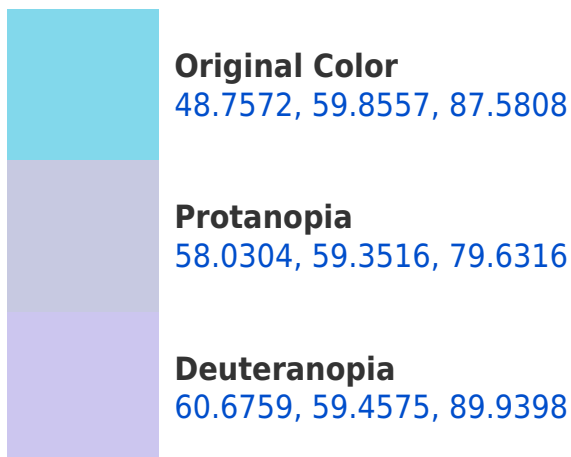


This preview shows how white text looks on a background with the XYZ color 48.7572, 59.8557,

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





Tritanopia

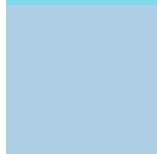
48.6131, 59.7981, 86.8219

Trichromacy



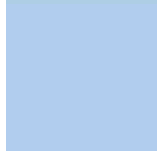
Original Color

48.7572, 59.8557, 87.5808



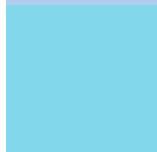
Protanomaly

53.6697, 58.7984, 82.6493



Deuteranomaly

55.3954, 59.1828, 89.3927



Tritanomaly

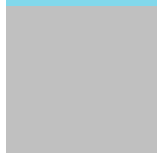
48.6131, 59.7981, 86.8219

Monochromacy



Original Color

48.7572, 59.8557, 87.5808



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

48.6340, 54.7624, 67.6814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7572, 59.8557, 87.5808 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(130, 216, 235)` looks like.

```
.text, #text, p{  
    color:rgb(130, 216, 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(130, 216, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 216, 235) }
```

Border

The CSS property to change the border of an element to XYZ 48.7572, 59.8557, 87.5808 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(130, 216, 235) }
```


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

```
.border{ border-color:rgb(130, 216, 235) }
```

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

Here you see how a box with a 4 pixel rgb(130, 216, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 216, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 216, 235);  
box-shadow:4px 4px 4px 4px rgb(130, 216,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7572, 59.8557, 87.5808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 216, 235) }
```

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

```
.background{ background-color: rgb(130,  
216, 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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