

Converting Colors

XYZ(47.6429, 58.2112, 87.7094)

Have a look what the booklet for
XYZ(47.6429, 58.2112, 87.7094)
contains.

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Color

**XYZ(47.6870, 58.1567,
88.0689)**

Conversions

Conversions Part 1

Format	Color
Hex	7FD5EC
RGB	127, 213, 236
RGB Percent	50%, 84%, 93%
CMY	0.5019, 0.1647, 0.0745
CMYK	0.46, 0.10, 0.00, 0.07
HSL	193°, 74%, 71%
HSV	193°, 46%, 93%
XYZ	47.6870, 58.1567, 88.0689
YIQ	189.9080, -58.6390, -11.0790

Conversions

Conversions Part 2

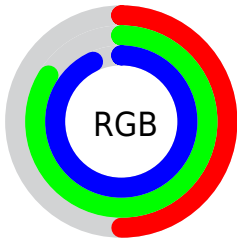
Format	Color
R _{YB}	127, 175, 236
Decimal	8377836
CIE _{Lab}	80.83, -20.05, -19.40
CIE _{LCh}	81, 27.900, 224.065
Yxy	58.1567, 0.2459, 0.2999
Android (android.graphics.Color)	4286567916 (0xFF7FD5EC)
YUV	189.9080, 22.7234, -55.1703
Hunter-Lab	76.2605, -21.8369, -15.0882

Details

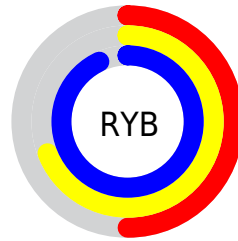
The XYZ color **47.6870, 58.1567, 88.0689** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.3304, 41.1791, 25.4287**, and the grayscale version is **48.7898, 51.3306, 55.8991**.

A 20% lighter version of the original color is **73.8176, 89.0543, 107.9063**, and **22.8490, 28.9780, 47.5691** is the 20% darker color. If you saturate the color by 10%, you get **43.3423, 54.0873, 87.5134**, and if you desaturate by 10%, it is **52.8969, 62.7319, 88.6784**.

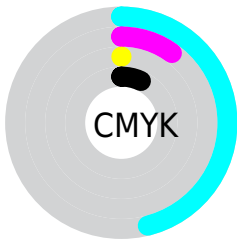
Distribution



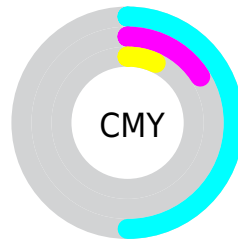
- Red (50%)
- Green (84%)
- Blue (93%)



- Red (50%)
- Yellow (69%)
- Blue (93%)



- Cyan (46%)
- Magenta (10%)
- Yellow (0%)
- Black (7%)



- Cyan (50%)
- Magenta (16%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6870, 58.1567, 88.0689 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 47.6870, 58.1567, 88.0689 by changing the saturation by 10% instead.

■ 47.6870, 58.1567,
88.0689

■ 47.6870, 58.1567,
88.0689

368.1534,
417.7696, 542.1360

■ 33.7893, 41.9346,
65.8155

■ 85.9507, 102.1510,
146.5651

■ 22.8939, 29.0501,
47.6671

■ 111.0474,
130.6921, 183.6449

■ 14.6354, 19.1187,
33.2052

■ 140.6079,
164.1082, 226.5039

■ 8.6486, 11.7561,
22.0113

174.9974,
202.7839, 275.5607

■ 4.5679, 6.5778,
13.6668

214.5814,
247.1035, 331.2337

■ 2.0282, 3.1995,
7.7532

259.7251,

■ 0.6497, 1.2368,

297.4513, 393.9416

3.8519

310.7940,
354.2119, 464.1028

■ 0.0000, 0.0914,
1.5445

■ 0.0000, 0.0000,
0.2507

■ 47.6870, 58.1567,
88.0689

■ 47.6870, 58.1567,
88.0689

■ 43.3423, 54.0873,
87.5134

■ 52.8969, 62.7319,
88.6784

■ 39.7988, 50.4861,
87.0051

■ 59.0195, 67.8339,
89.3405

■ 36.9918, 47.3208,
86.5421

■ 66.1055, 73.4905,
90.0589

■ 34.8440, 44.5508,
86.1206

■ 74.1997, 79.7256,
90.8358

■ 33.2591, 42.1260,
85.7361

■ 83.3445, 86.5613,
91.6732

■ 32.7429, 41.2609,
85.5964

■ 88.3955, 91.3461,
92.3306

■ 89.9050, 94.3652,
92.8337

■ 91.4553, 97.4657,
93.3505

■ 92.1405, 98.8362,
93.5789

Harmonies

Analogous

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



45.2050, 58.1567, 71.3558



47.6870, 58.1567, 88.0689



52.2881, 58.1567, 99.0203

Triad

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



47.6870, 58.1567, 88.0689



66.6358, 58.1567, 72.4455



52.6257, 58.1567, 37.2487

Complementary

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



47.6870, 58.1567, 88.0689



49.3304, 41.1791, 25.4287

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.



58.3760, 58.1567, 37.4373



47.6870, 58.1567, 88.0689



66.7420, 58.1567, 55.9164

Square

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



47.6870, 58.1567, 88.0689



63.3500, 58.1567, 88.9853



63.6307, 58.1567, 43.7095



47.9193, 58.1567, 43.1395

Rectangle

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



47.6870, 58.1567, 88.0689



56.0657, 58.1567, 100.5644



63.6307, 58.1567, 43.7095



54.4941, 58.1567, 36.6399

Sweetspot

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



47.6888, 58.1589, 88.0703



80.7577, 89.1344, 107.5560



44.1582, 66.6678, 38.8927



16.8604, 18.7466, 22.9798



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.



47.6888, 58.1589, 88.0703



52.1230, 64.9191, 104.3912



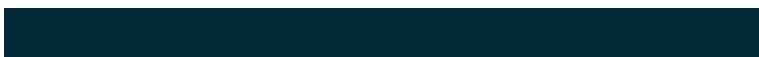
36.4132, 35.6077, 84.3117



15.2322, 16.5509, 19.3141



18.1455, 22.9379, 47.2141



1.4922, 1.9359, 3.7299

Inverse Universe

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



54.1932, 37.8174, 67.3964



60.9886, 38.9231, 75.8247



59.8511, 62.2204, 28.9356



15.5708, 15.2562, 18.2910



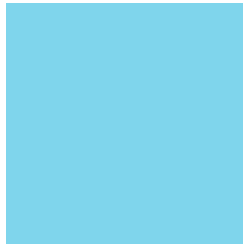
24.0143, 11.8084, 26.9403



1.9197, 0.9408, 2.2946

Previews

White Background



This preview shows how the XYZ color 47.6870, 58.1567, 88.0689 looks on a white background.

Color Contrast Check

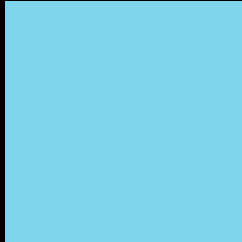
Large Text (above 18pt) WCAG AA × Fail

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 47.6870, 58.1567, 88.0689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

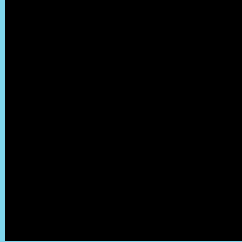
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6870, 58.1567, 88.0689

Background



This preview shows how black text looks on a background with the XYZ color 47.6870, 58.1567, 88.0689.



This preview shows how white text looks on a background with the XYZ color 47.6870, 58.1567,

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

47.6870, 58.1567, 88.0689

Protanopia

56.4272, 57.4813, 80.0725

Deuteranopia

58.7965, 57.4636, 90.4308



Tritanopia

46.9278, 58.2226, 84.3660

Trichromacy



Original Color

47.6870, 58.1567, 88.0689

Protanomaly

52.2164, 56.9711, 83.1073

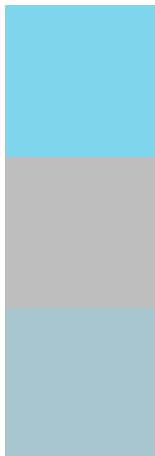
Deuteranomaly

53.9341, 57.3573, 89.8898

Tritanomaly

47.3587, 58.4119, 85.8694

Monochromacy



Original Color

47.6870, 58.1567, 88.0689

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.3929, 53.1087, 66.7846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6870, 58.1567, 88.0689 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(127, 213, 236)` looks like.

```
.text, #text, p{  
    color:rgb(127, 213, 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(127, 213, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 213, 236) }
```

Border

The CSS property to change the border of an element to XYZ 47.6870, 58.1567, 88.0689 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(127, 213, 236) }
```


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

```
.border{ border-color:rgb(127, 213, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 213, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 213, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 213, 236);  
box-shadow:4px 4px 4px 4px rgb(127, 213,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6870, 58.1567, 88.0689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 213, 236) }
```

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

```
.background{ background-color: rgb(127,  
213, 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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