

Converting Colors

XYZ(46.9715, 62.3663, 85.6200)

Have a look what the booklet for
XYZ(46.9715, 62.3663, 85.6200)
contains.

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Color

**XYZ(47.0842, 62.5602,
85.9377)**

Conversions

Conversions Part 1

Format	Color
Hex	67E1E8
RGB	103, 225, 232
RGB Percent	40%, 88%, 91%
CMY	0.5961, 0.1176, 0.0902
CMYK	0.56, 0.03, 0.00, 0.09
HSL	183°, 74%, 66%
HSV	183°, 56%, 91%
XYZ	47.0842, 62.5602, 85.9377
YIQ	189.3200, -74.9590, -23.6870

Conversions

Conversions Part 2

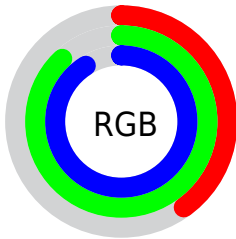
Format	Color
RYB	103, 166, 232
Decimal	6808040
CIELab	83.21, -32.01, -13.78
CIELCh	83, 34.847, 203.288
Yxy	62.5602, 0.2407, 0.3199
Android (android.graphics.Color)	4284998120 (0xFF67E1E8)
YUV	189.3200, 21.0412, -75.7026
Hunter-Lab	79.0950, -32.1576, -9.0528

Details

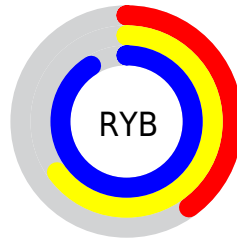
The XYZ color **47.0842, 62.5602, 85.9377** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **41.3040, 29.2882, 16.3097**, and the grayscale version is **48.4688, 50.9929, 55.5313**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **22.4253, 31.7172, 46.0144** is the 20% darker color. If you saturate the color by 10%, you get **44.4448, 60.6977, 85.7184**, and if you desaturate by 10%, it is **50.4680, 64.8130, 86.1953**.

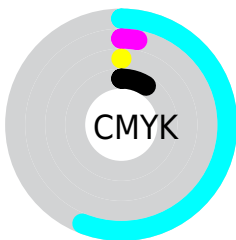
Distribution



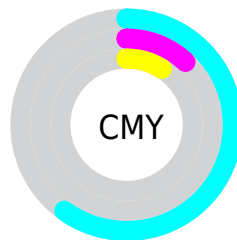
- Red (40%)
- Green (88%)
- Blue (91%)



- Red (40%)
- Yellow (65%)
- Blue (91%)



- Cyan (56%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (60%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0842, 62.5602, 85.9377 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 47.0842, 62.5602, 85.9377 by changing the saturation by 10% instead.

47.0842, 62.5602,
85.9377

47.0842, 62.5602,
85.9377

365.7938,
433.9716, 534.9511

33.3104, 45.4855,
64.0619

85.0573, 108.5348,
143.5683

22.5247, 31.8400,
46.2543

109.9873,
138.2034, 180.1602

14.3617, 21.2393,
32.0964

139.3668,
172.8389, 222.4945

8.4561, 13.2991,
21.1697

173.5611,
212.8255, 270.9897

4.4424, 7.6348,
13.0557

212.9356,
258.5477, 326.0644

1.9553, 3.8622,
7.3357

257.8557,

0.6087, 1.5968,

310.3898, 388.1372

3.5913

308.6866,
368.7363, 457.6266

■ 0.0000, 0.3554,
1.4039

■ 0.0000, 0.0000,
0.1448

■ 47.0842, 62.5602,
85.9377

■ 47.0842, 62.5602,
85.9377

■ 44.4448, 60.6977,
85.7184

■ 50.4680, 64.8130,
86.1953

■ 42.4813, 59.1859,
85.5301


■ 54.6461, 67.4776,
86.4894


■ 41.1226, 57.9896,
85.3708


■ 59.6707, 70.5823,
86.8239


■ 40.2786, 57.0624,
85.2363


■ 65.5878, 74.1509,
87.2008


 40.0058, 56.7064,
85.1820

 72.4401, 78.2054,
87.6222

 80.2679, 82.7665,
88.0900

 85.1755, 85.8259,
88.4219

 85.5348, 86.5444,
88.5417

 85.8966, 87.2680,
88.6623

Harmonies

Analogous

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



46.1619, 62.5602, 63.3670



47.0842, 62.5602, 85.9377



51.1885, 62.5602, 107.2376

Triad

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



47.0842, 62.5602, 85.9377



71.8924, 62.5602, 96.1572



61.1767, 62.5602, 34.5732

Complementary

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



47.0842, 62.5602, 85.9377



41.3040, 29.2882, 16.3097

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.



68.5813, 62.5602, 39.8977



47.0842, 62.5602, 85.9377



75.0980, 62.5602, 73.0995

Square

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



47.0842, 62.5602, 85.9377



65.3958, 62.5602, 113.9576



73.8377, 62.5602, 52.9484



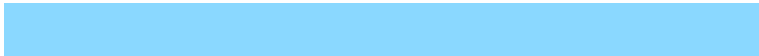
53.8977, 62.5602, 36.5878

Rectangle

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



47.0842, 62.5602, 85.9377



55.3789, 62.5602, 116.2752



73.8377, 62.5602, 52.9484



63.7402, 62.5602, 35.5189

Sweetspot

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



47.0861, 62.5626, 85.9392



80.1149, 91.1938, 107.9874



37.2362, 61.7120, 24.5460



16.8187, 19.3217, 23.0930



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.



47.0861, 62.5626, 85.9392



54.5937, 74.8600, 106.1798



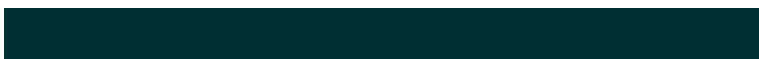
32.9142, 34.2188, 81.2152



14.7370, 16.1953, 18.4936



22.2400, 31.5422, 47.2992



1.6641, 2.3721, 3.5021

Inverse Universe

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



51.7212, 32.2942, 74.7441



61.0153, 34.2613, 90.3701



50.8548, 48.3896, 19.4933



14.9596, 14.6010, 17.9875



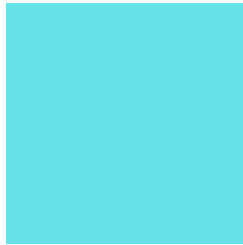
25.6193, 12.3819, 38.4855



1.9036, 0.9191, 2.8987

Previews

White Background



This preview shows how the XYZ color 47.0842, 62.5602, 85.9377 looks on a white background.

Color Contrast Check

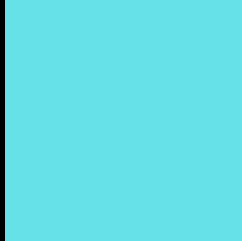
Large Text (above 18pt) WCAG AA × Fail

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 47.0842, 62.5602, 85.9377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

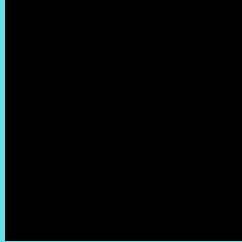
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0842, 62.5602, 85.9377

Background



This preview shows how black text looks on a background with the XYZ color 47.0842, 62.5602, 85.9377.

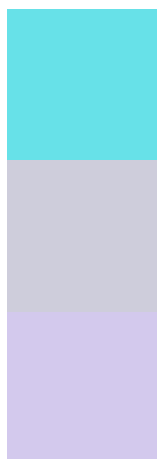


This preview shows how white text looks on a background with the XYZ color 47.0842, 62.5602,

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

47.0842, 62.5602, 85.9377

Protanopia

60.0711, 61.8989, 75.7994

Deuteranopia

63.0367, 61.7366, 88.7147



Tritanopia

48.4781, 62.3120, 93.4767

Trichromacy



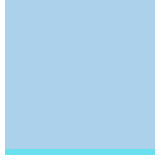
Original Color

47.0842, 62.5602, 85.9377



Protanomaly

53.3602, 60.9038, 79.4642



Deuteranomaly

55.0552, 60.8620, 87.4431



Tritanomaly

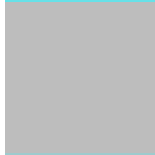
48.0321, 62.5485, 90.4304

Monochromacy



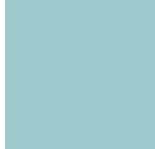
Original Color

47.0842, 62.5602, 85.9377



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

46.2405, 53.9179, 65.7277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0842, 62.5602, 85.9377 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(103, 225, 232)` looks like.

```
.text, #text, p{  
    color:rgb(103, 225, 232)  
}
```

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(103, 225, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 225, 232) }
```

Border

The CSS property to change the border of an element to XYZ 47.0842, 62.5602, 85.9377 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(103, 225, 232) }
```


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

```
.border{ border-color:rgb(103, 225, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 225, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 225, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 225, 232);  
box-shadow:4px 4px 4px 4px rgb(103, 225,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0842, 62.5602, 85.9377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 225, 232) }
```

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

```
.background{ background-color: rgb(103,  
225, 232) }
```

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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