

Converting Colors

XYZ(48.8244, 65.3207, 83.9145)

Have a look what the booklet for
XYZ(48.8244, 65.3207, 83.9145)
contains.

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Color

**XYZ(48.7177, 65.0753,
84.1218)**

Conversions

Conversions Part 1

Format	Color
Hex	6FE5E5
RGB	111, 229, 229
RGB Percent	44%, 90%, 90%
CMY	0.5647, 0.1019, 0.1020
CMYK	0.52, 0.00, 0.00, 0.10
HSL	180°, 69%, 67%
HSV	180°, 52%, 90%
XYZ	48.7177, 65.0753, 84.1218
YIQ	193.7180, -70.3280, -25.0160

Conversions

Conversions Part 2

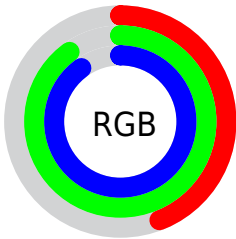
Format	Color
RYB	111, 170, 229
Decimal	7333349
CIELab	84.52, -33.14, -10.20
CIELCh	85, 34.675, 197.113
Yxy	65.0753, 0.2462, 0.3288
Android (android.graphics.Color)	4285523429 (0xFF6FE5E5)
YUV	193.7180, 17.3940, -72.5437
Hunter-Lab	80.6693, -33.3717, -5.3590

Details

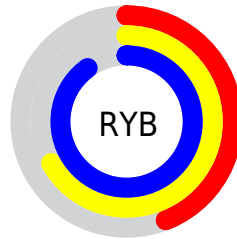
The XYZ color **48.7177, 65.0753, 84.1218** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.8690, 29.1765, 18.5187**, and the grayscale version is **51.0436, 53.7018, 58.4813**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **23.5384, 33.4354, 45.2575** is the 20% darker color. If you saturate the color by 10%, you get **46.1978, 63.7778, 84.0050**, and if you desaturate by 10%, it is **51.9800, 66.7586, 84.2762**.

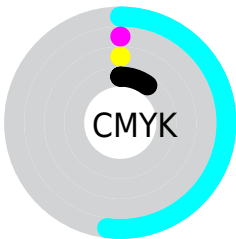
Distribution



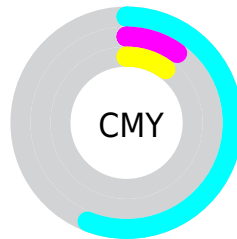
- Red (44%)
- Green (90%)
- Blue (90%)



- Red (44%)
- Yellow (67%)
- Blue (90%)



- Cyan (52%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (56%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7177, 65.0753, 84.1218 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 48.7177, 65.0753, 84.1218 by changing the saturation by 10% instead.


 48.7177, 65.0753,
84.1218


 48.7177, 65.0753,
84.1218


372.1653,
443.0625, 528.7862


 34.6092, 47.5221,
62.5700


 87.4753, 112.1581,
141.0088

 23.5271, 33.4486,
45.0547

 112.8551,
142.4565, 177.1811

 15.1060, 22.4703,
31.1572


 142.7227,
177.7722, 219.0640

 8.9806, 14.2029,
20.4591

177.4435,
218.4895, 267.0760

 4.7856, 8.2619,
12.5419

217.3827,
264.9927, 321.6357

 2.1555, 4.2630,
6.9868

262.9059,

 0.7191, 1.8217,

317.6664, 383.1616

3.3755

314.3783,
376.8949, 452.0723

■ 0.0000, 0.5007,
1.2894

■ 0.0000, 0.0000,
0.0531

■ 48.7177, 65.0753,
84.1218

■ 48.7177, 65.0753,
84.1218

■ 46.1978, 63.7778,
84.0050

■ 51.9800, 66.7586,
84.2762

■ 44.3568, 62.8287,
83.9185


■ 56.0304, 68.8466,
84.4661


■ 43.1306, 62.1966,
83.8608


■ 60.9177, 71.3661,
84.6952


■ 42.4397, 61.8404,
83.8281


■ 66.6853, 74.3394,
84.9654


 42.1631, 61.6978,
83.8149

 73.3734, 77.7873,
85.2787

 81.0199, 81.7291,
85.6369

 83.4039, 82.9581,
85.7488

 83.4039, 82.9582,
85.7491

 83.4040, 82.9582,
85.7494

Harmonies

Analogous

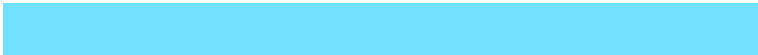
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.4763, 65.0753, 61.7881



48.7177, 65.0753, 84.1218



52.2866, 65.0753, 106.8078

Triad

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



48.7177, 65.0753, 84.1218



73.3830, 65.0753, 103.9183



65.2234, 65.0753, 36.9584

Complementary

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



48.7177, 65.0753, 84.1218



40.8690, 29.1765, 18.5187

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.



72.5185, 65.0753, 44.0399



48.7177, 65.0753, 84.1218



77.4865, 65.0753, 80.7702

Square

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



48.7177, 65.0753, 84.1218



66.3256, 65.0753, 119.7687



77.1575, 65.0753, 59.0636



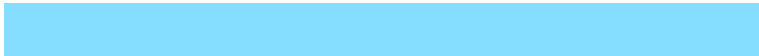
57.5845, 65.0753, 37.4870

Rectangle

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



48.7177, 65.0753, 84.1218



56.2548, 65.0753, 117.7019



77.1575, 65.0753, 59.0636



67.8089, 65.0753, 38.4535

Sweetspot

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



48.7196, 65.0778, 84.1233



82.3509, 93.4534, 108.3051



37.6963, 60.6974, 24.7694



17.2905, 19.8297, 23.1660



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.



48.7196, 65.0778, 84.1233



58.7286, 81.2757, 107.1976



35.4466, 38.5313, 79.7006



14.8075, 16.3364, 18.5171



24.1059, 35.2745, 47.9195



1.7813, 2.6067, 3.5411

Inverse Universe

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



40.8690, 29.1765, 18.5187



47.6586, 30.6522, 14.6902



49.1935, 45.8257, 21.2929



14.3771, 14.3680, 14.9201



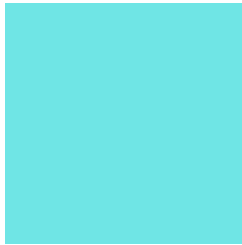
18.4751, 9.5242, 0.8647



1.3652, 0.7038, 0.0639

Previews

White Background



This preview shows how the XYZ color 48.7177, 65.0753, 84.1218 looks on a white background.

Color Contrast Check

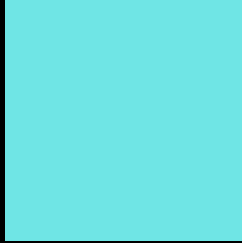
Large Text (above 18pt) WCAG AA × Fail

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 48.7177, 65.0753, 84.1218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

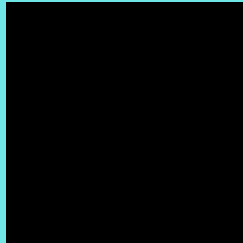
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

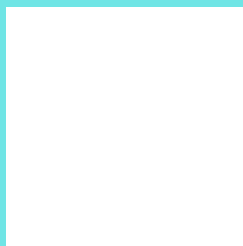
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.7177, 65.0753, 84.1218

Background



This preview shows how black text looks on a background with the XYZ color 48.7177, 65.0753, 84.1218.



This preview shows how white text looks on a background with the XYZ color 48.7177, 65.0753,

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

48.7177, 65.0753, 84.1218

Protanopia

61.9442, 63.9704, 74.7283

Deuteranopia

65.3576, 64.0317, 86.7565



Tritanopia

51.2866, 65.3127, 96.2897

Trichromacy



Original Color

48.7177, 65.0753, 84.1218



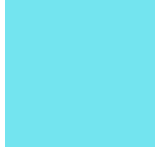
Protanomaly

55.2862, 63.4462, 77.7391



Deuteranomaly

56.9501, 62.9984, 85.5022



Tritanomaly

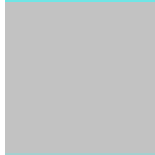
50.3936, 65.3636, 91.6218

Monochromacy



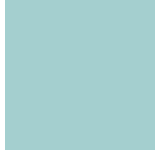
Original Color

48.7177, 65.0753, 84.1218



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.8852, 57.0232, 67.4615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7177, 65.0753, 84.1218 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(111, 229, 229)` looks like.

```
.text, #text, p{  
    color:rgb(111, 229, 229)  
}
```

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(111, 229, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 229, 229) }
```

Border

The CSS property to change the border of an element to XYZ 48.7177, 65.0753, 84.1218 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(111, 229, 229) }
```


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

```
.border{ border-color:rgb(111, 229, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 229, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 229, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 229, 229);  
box-shadow:4px 4px 4px 4px rgb(111, 229,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7177, 65.0753, 84.1218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 229, 229) }
```

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

```
.background{ background-color: rgb(111,  
229, 229) }
```

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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