

# Converting Colors

XYZ(47.5688, 66.0070, 61.2724)

Have a look what the booklet for  
XYZ(47.5688, 66.0070, 61.2724)  
contains.

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# Color

**XYZ(47.3668, 65.7140,  
61.2265)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81E7C2
RGB	129, 231, 194
RGB Percent	51%, 91%, 76%
CMY	0.4941, 0.0941, 0.2392
CMYK	0.44, 0.00, 0.16, 0.09
HSL	158°, 68%, 71%
HSV	158°, 44%, 91%
XYZ	47.3668, 65.7140, 61.2265
YIQ	196.2840, -48.9150, -33.1310

# Conversions

## Conversions Part 2

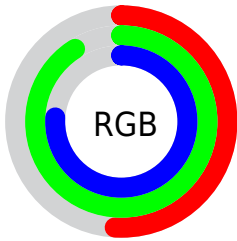
Format	Color
<a href="#">RYB</a>	<a href="#">129, 191, 231</a>
Decimal	<a href="#">8513474</a>
CIELab	<a href="#">84.85, -38.29, 8.80</a>
CIELCh	<a href="#">85, 39.285, 167.053</a>
Yxy	<a href="#">65.7140, 0.2717, 0.3770</a>
Android (android.graphics.Color)	<a href="#">4286703554 (0xFF81E7C2)</a>
YUV	<a href="#">196.2840, -1.1260, -59.0081</a>
Hunter-Lab	<a href="#">81.0642, -37.5625, 11.9641</a>

# Details

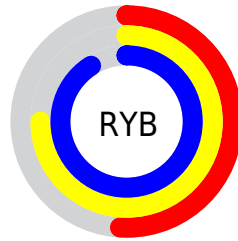
The XYZ color **47.3668, 65.7140, 61.2265** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.6904, 35.4443, 40.4069**, and the grayscale version is **52.6689, 55.4118, 60.3434**.

A 20% lighter version of the original color is **73.2650, 88.8612, 103.7329**, and **22.7361, 33.9311, 30.1620** is the 20% darker color. If you saturate the color by 10%, you get **43.3321, 63.7415, 56.2634**, and if you desaturate by 10%, it is **52.2513, 68.1219, 66.5094**.

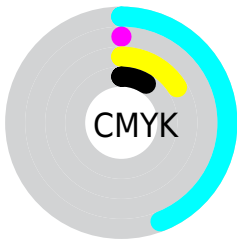
# Distribution



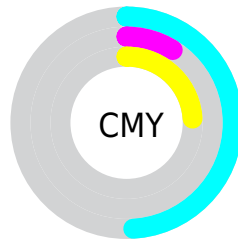
- Red (51%)
- Green (91%)
- Blue (76%)



- Red (51%)
- Yellow (75%)
- Blue (91%)



- Cyan (44%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)



- Cyan (49%)
- Magenta (9%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3668, 65.7140, 61.2265 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 47.3668, 65.7140, 61.2265 by changing the saturation by 10% instead.




 47.3668, 65.7140,  
61.2265


 47.3668, 65.7140,  
61.2265


366.9013,  
445.3534, 447.0335


 33.5349, 48.0403,  
43.9762


 85.4763, 113.0757,  
108.1675

 22.6977, 33.8588,  
30.3148


 110.4846,  
143.5326, 138.6954

 14.4899, 22.7851,  
19.8236


 139.9490,  
179.0192, 174.4862

 8.5462, 14.4349,  
12.0840

174.2350,  
219.9200, 215.9585

 4.5011, 8.4238,  
6.6777

213.7079,  
266.6195, 263.5309

 1.9893, 4.3673,  
3.1860

258.7330,

 0.6280, 1.8811,

319.5019, 317.6218

1.1904

309.6756,  
378.9517, 378.6498

■ 0.0000, 0.5370,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 47.3668, 65.7140,  
61.2265

■ 47.3668, 65.7140,  
61.2265

■ 43.3321, 63.7415,  
56.2634

■ 52.2513, 68.1219,  
66.5094

■ 40.0869, 62.1682,  
51.6083


■ 58.0301, 70.9829,  
72.1142


■ 37.5711, 60.9649,  
47.2553


■ 64.7510, 74.3233,  
78.0489


■ 35.7132, 60.0951,  
43.1964

■ 72.4566, 78.1648,  
84.3197


 34.4264, 59.5139,  
39.4224

 81.1869, 82.5282,  
90.9326

 33.8596, 59.2672,  
37.3429

 86.1891, 84.9629,  
97.6693

 87.4929, 85.4845,  
104.5351

 87.8671, 85.6342,  
106.5057

# Harmonies

## Analogous

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



50.8658, 65.7140, 43.3347



47.3668, 65.7140, 61.2265



47.6284, 65.7140, 86.7366

# Triad

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



47.3668, 65.7140, 61.2265



67.5579, 65.7140, 128.6517



74.7214, 65.7140, 41.5995

# Complementary

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



47.3668, 65.7140, 61.2265



47.6904, 35.4443, 40.4069

# 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.



80.0874, 65.7140, 58.2507



47.3668, 65.7140, 61.2265



75.6925, 65.7140, 109.9404

# Square

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



47.3668, 65.7140, 61.2265



58.7415, 65.7140, 129.9861



80.4586, 65.7140, 82.9763



66.3305, 65.7140, 33.9305



# Rectangle

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



47.3668, 65.7140, 61.2265



49.8961, 65.7140, 104.9321



80.4586, 65.7140, 82.9763



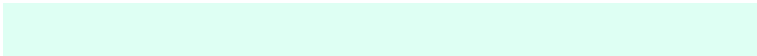
76.9717, 65.7140, 46.1269

# Sweetspot

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



47.3686, 65.7166, 61.2280



82.0121, 93.4954, 98.4977



48.3503, 66.8899, 31.1327



17.1258, 19.7987, 20.7199



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.



47.3686, 65.7166, 61.2280



54.6222, 79.9572, 70.9294



48.3952, 60.2714, 84.6872



14.5739, 16.2430, 17.2871



19.0429, 33.2493, 21.2582



1.4514, 2.4747, 1.8035



# Inverse Universe

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



47.6904, 35.4443, 40.4069



55.0884, 37.5169, 41.8139



46.6820, 38.1007, 25.6637



14.5920, 14.4540, 16.0518



19.4220, 9.9030, 5.8515

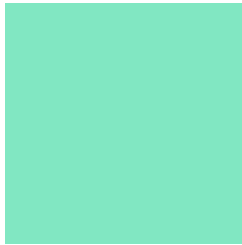


1.4786, 0.7491, 0.6607



# Previews

## White Background



This preview shows how the XYZ color 47.3668, 65.7140, 61.2265 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

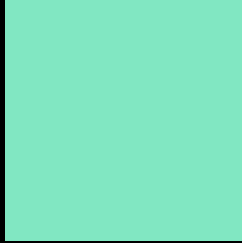
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.3668, 65.7140, 61.2265 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

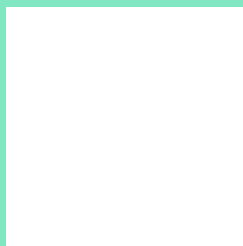
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 47.3668, 65.7140, 61.2265**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.3668, 65.7140, 61.2265.



This preview shows how white text looks on a background with the XYZ color 47.3668, 65.7140,



# 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

47.3668, 65.7140, 61.2265

### Protanopia

61.4126, 64.8842, 54.0869

### Deuteranopia

66.0422, 64.5442, 63.6211



## Tritanopia

53.8380, 65.4729, 93.8044

# Trichromacy



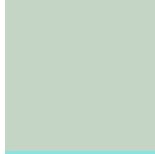
## Original Color

47.3668, 65.7140, 61.2265



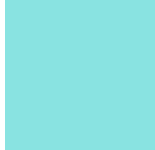
## Protanomaly

54.7801, 64.4220, 56.5612



## Deuteranomaly

56.7522, 63.4015, 62.6726



## Tritanomaly

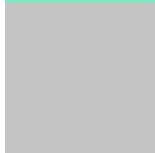
51.3762, 65.6928, 81.2063

# Monochromacy



## Original Color

47.3668, 65.7140, 61.2265



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

49.6640, 58.3117, 60.2675

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3668, 65.7140, 61.2265 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(129, 231, 194)` looks like.

```
.text, #text, p{  
    color:rgb(129, 231, 194)  
}
```

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(129, 231, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 231, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3668, 65.7140, 61.2265 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(129, 231, 194) }
```



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

```
.border{ border-color:rgb(129, 231, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 231, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 231, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 231, 194);  
box-shadow:4px 4px 4px 4px rgb(129, 231,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3668, 65.7140, 61.2265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 231, 194) }
```

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

```
.background{ background-color: rgb(129,  
231, 194) }
```

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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