

Converting Colors

XYZ(48.6359, 61.3589, 88.0222)

Have a look what the booklet for
XYZ(48.6359, 61.3589, 88.0222)
contains.

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Color

**XYZ(48.6146, 61.3221,
87.8714)**

Conversions

Conversions Part 1

Format	Color
Hex	7ADCEB
RGB	122, 220, 235
RGB Percent	48%, 86%, 92%
CMY	0.5215, 0.1372, 0.0784
CMYK	0.48, 0.06, 0.00, 0.08
HSL	188°, 74%, 70%
HSV	188°, 48%, 92%
XYZ	48.6146, 61.3221, 87.8714
YIQ	192.4080, -63.2230, -16.1110

Conversions

Conversions Part 2

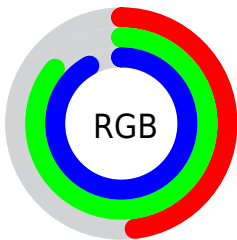
Format	Color
R _{YB}	122, 174, 235
Decimal	8051947
CIE Lab	82.55, -24.93, -16.29
CIE LCh	83, 29.777, 213.163
Yxy	61.3221, 0.2458, 0.3100
Android (android.graphics.Color)	4286242027 (0xFF7ADCEB)
YUV	192.4080, 20.9979, -61.7478
Hunter-Lab	78.3084, -26.2253, -11.7146

Details

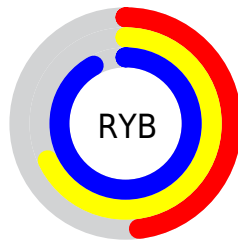
The XYZ color **48.6146, 61.3221, 87.8714** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **46.7207, 36.9598, 23.0854**, and the grayscale version is **50.2505, 52.8675, 57.5727**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **23.5163, 31.1570, 47.4223** is the 20% darker color. If you saturate the color by 10%, you get **44.8703, 58.1892, 87.4651**, and if you desaturate by 10%, it is **53.1823, 64.9049, 88.3233**.

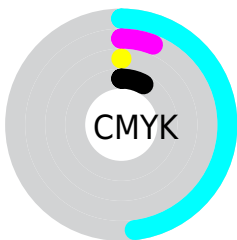
Distribution



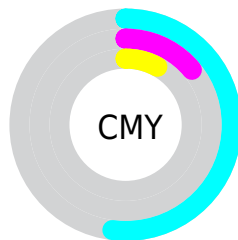
- Red (48%)
- Green (86%)
- Blue (92%)



- Red (48%)
- Yellow (68%)
- Blue (92%)



- Cyan (48%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)





- Cyan (52%)
- Magenta (14%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6146, 61.3221, 87.8714 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 48.6146, 61.3221, 87.8714 by changing the saturation by 10% instead.


 48.6146, 61.3221,
87.8714


 48.6146, 61.3221,
87.8714


371.7653,
429.4540, 541.4724


 34.5271, 44.4852,
65.6528


 87.3230, 106.7452,
146.2877

 23.4636, 31.0521,
47.5359


 112.6745,
136.1001, 183.3225

 15.0588, 20.6385,
33.1022


 142.5115,
170.3965, 226.1331

 8.9473, 12.8600,
21.9330

177.1993,
210.0187, 275.1380

 4.7636, 7.3322,
13.6098

217.1032,
255.3512, 330.7559

 2.1426, 3.6707,
7.7141

262.5886,

 0.7122, 1.4911,

306.7783, 393.4053

3.8274

314.0209,
364.6844, 463.5046

■ 0.0000, 0.2825,
1.5312

■ 0.0000, 0.0000,
0.2410

■ 48.6146, 61.3221,
87.8714

■ 48.6146, 61.3221,
87.8714

■ 44.8703, 58.1892,
87.4651

■ 53.1823, 64.9049,
88.3233

■ 41.8848, 55.4687,
87.0974


■ 58.6211, 68.9582,
88.8190


■ 39.5929, 53.1281,
86.7664


■ 64.9813, 73.5094,
89.3623


■ 37.9153, 51.1266,
86.4685


■ 72.3081, 78.5819,
89.9552


 36.7419, 49.4072,
86.1984


 80.6434, 84.1975,
90.5998

 36.5433, 49.0937,
86.1484

 87.0198, 88.8265,
91.1572

 87.9394, 90.6659,
91.4638

 88.8750, 92.5369,
91.7756

 89.8264, 94.4398,
92.0927

Harmonies

Analogous

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



46.8831, 61.3221, 68.7252



48.6146, 61.3221, 87.8714



52.9247, 61.3221, 103.2451

Triad

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



48.6146, 61.3221, 87.8714



69.9201, 61.3221, 83.9035



57.6111, 61.3221, 37.4949

Complementary

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



48.6146, 61.3221, 87.8714



46.7207, 36.9598, 23.0854

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.



63.9952, 61.3221, 40.0895



48.6146, 61.3221, 87.8714



71.3997, 61.3221, 64.8509

Square

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



48.6146, 61.3221, 87.8714



65.2501, 61.3221, 100.6764



69.1592, 61.3221, 49.3489



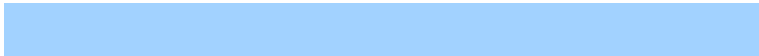
51.8337, 61.3221, 41.4840

Rectangle

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



48.6146, 61.3221, 87.8714



56.8379, 61.3221, 108.0392



69.1592, 61.3221, 49.3489



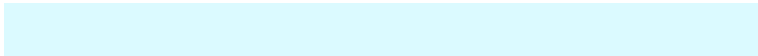
59.7561, 61.3221, 37.6285

Sweetspot

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



48.6165, 61.3245, 87.8728



81.6207, 90.8605, 107.8437



42.1219, 65.3100, 33.3771



17.0725, 19.1708, 23.0505



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.



48.6165, 61.3245, 87.8728



53.9396, 69.9804, 105.2724



36.5353, 37.1621, 83.8458



15.3373, 16.7609, 19.3491



20.4059, 27.4588, 47.9675



1.6497, 2.2509, 3.7824

Inverse Universe

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



54.1403, 36.7502, 71.9526



61.5570, 37.8158, 82.9321



56.5554, 56.6293, 26.3637



15.6238, 15.2774, 18.5701



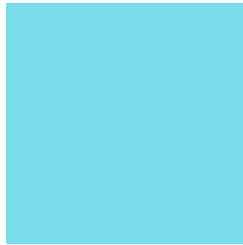
25.1552, 12.2648, 32.9485



1.9992, 0.9726, 2.7131

Previews

White Background



This preview shows how the XYZ color 48.6146, 61.3221, 87.8714 looks on a white background.

Color Contrast Check

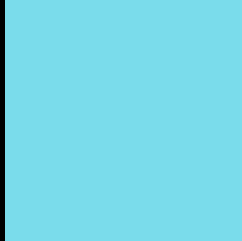
Large Text (above 18pt) WCAG AA × Fail

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 48.6146, 61.3221, 87.8714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

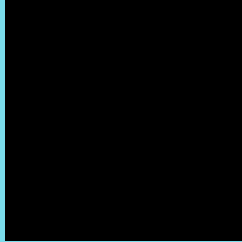
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6146, 61.3221, 87.8714

Background



This preview shows how black text looks on a background with the XYZ color 48.6146, 61.3221, 87.8714.



This preview shows how white text looks on a background with the XYZ color 48.6146, 61.3221,

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

48.6146, 61.3221, 87.8714

Protanopia

59.1676, 60.6502, 79.1092

Deuteranopia

61.7355, 60.3442, 90.0551



Tritanopia

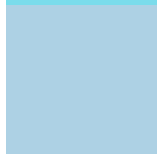
49.0476, 61.5118, 89.4086

Trichromacy



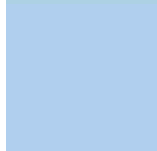
Original Color

48.6146, 61.3221, 87.8714



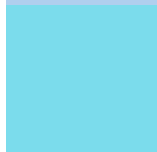
Protanomaly

54.0376, 60.0866, 82.1486



Deuteranomaly

55.6499, 60.0288, 89.5426



Tritanomaly

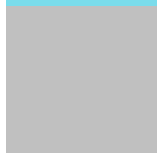
48.9019, 61.4535, 88.6412

Monochromacy



Original Color

48.6146, 61.3221, 87.8714



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

48.4420, 55.0106, 67.7395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6146, 61.3221, 87.8714 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(122, 220, 235)` looks like.

```
.text, #text, p{  
    color:rgb(122, 220, 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(122, 220, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 220, 235) }
```

Border

The CSS property to change the border of an element to XYZ 48.6146, 61.3221, 87.8714 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(122, 220, 235) }
```


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

```
.border{ border-color:rgb(122, 220, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 220, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 220, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 220, 235);  
box-shadow:4px 4px 4px 4px rgb(122, 220,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6146, 61.3221, 87.8714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 220, 235) }
```

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

```
.background{ background-color: rgb(122,  
220, 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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