

Converting Colors

XYZ(50.8820, 61.7164, 87.8280)

Have a look what the booklet for
XYZ(50.8820, 61.7164, 87.8280)
contains.

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Color

**XYZ(50.8820, 61.7164,
87.8280)**

Conversions

Conversions Part 1

Format	Color
Hex	8CDAEB
RGB	140, 218, 235
RGB Percent	55%, 85%, 92%
CMY	0.4510, 0.1451, 0.0784
CMYK	0.40, 0.07, 0.00, 0.08
HSL	191°, 70%, 74%
HSV	191°, 40%, 92%
XYZ	50.8820, 61.7164, 87.8280
YIQ	196.6160, -51.9450, -11.2490

Conversions

Conversions Part 2

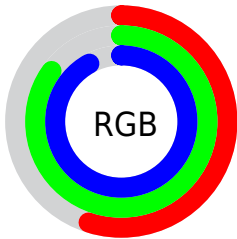
Format	Color
RYB	140, 183, 235
Decimal	9231083
CIELab	82.76, -19.71, -15.89
CIELCh	83, 25.323, 218.880
Yxy	61.7164, 0.2539, 0.3079
Android (android.graphics.Color)	4287421163 (0xFF8CDAEB)
YUV	196.6160, 18.9233, -49.6522
Hunter-Lab	78.5598, -21.8678, -11.2930

Details

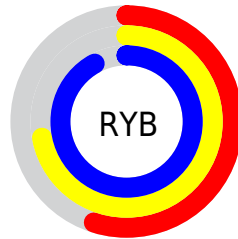
The XYZ color **50.8820, 61.7164, 87.8280** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.0526, 43.6705, 30.5510**, and the grayscale version is **52.7531, 55.5004, 60.4399**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **24.8900, 31.3339, 47.3840** is the 20% darker color. If you saturate the color by 10%, you get **46.2609, 57.7373, 87.3046**, and if you desaturate by 10%, it is **56.3800, 66.1915, 88.4031**.

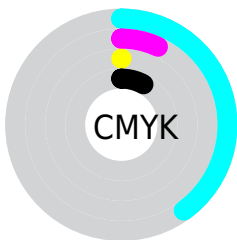
Distribution



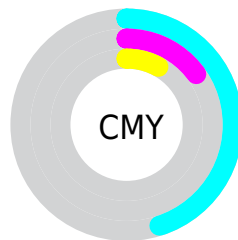
- Red (55%)
- Green (85%)
- Blue (92%)



- Red (55%)
- Yellow (72%)
- Blue (92%)



- Cyan (40%)
- Magenta (7%)
- Yellow (0%)
- Black (8%)





- Cyan (45%)
- Magenta (15%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8820, 61.7164, 87.8280 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 50.8820, 61.7164, 87.8280 by changing the saturation by 10% instead.


 50.8820, 61.7164,
87.8280


 50.8820, 61.7164,
87.8280


380.5004,
430.8959, 541.3265

 36.3354, 44.8036,
65.6171


 90.6644, 107.3155,
146.2267

 24.8646, 31.3027,
47.5071


 116.6308,
136.7707, 183.2516

 16.1044, 20.8295,
33.0795


147.1345,
171.1753, 226.0516

 9.6894, 12.9994,
21.9158

182.5409,
210.9140, 275.0452

 5.2542, 7.4281,
13.5973

223.2154,
256.3709, 330.6509

 2.4334, 3.7313,
7.7056

269.5232,

 0.8618, 1.5244,

307.9306, 393.2874

3.8221

321.8297,
365.9775, 463.3730

0.0000, 0.3058,
1.5283

0.0000, 0.0000,
0.2388

50.8820, 61.7164,
87.8280

50.8820, 61.7164,
87.8280

46.2609, 57.7373,
87.3046

56.3800, 66.1915,
88.4031

42.4567, 54.2186,
86.8259


62.7991, 71.1814,
89.0279


39.4103, 51.1311,
86.3905


70.1870, 76.7124,
89.7061


37.0521, 48.4385,
85.9951


78.5865, 82.8069,
90.4398


 35.2993, 46.0978,
85.6357


 87.1103, 89.0076,
91.1874

 34.0552, 44.1174,
85.3190

 88.3559, 91.4989,
91.6026

 89.6304, 94.0478,
92.0274

 90.9338, 96.6547,
92.4619

 91.9956, 98.7782,
92.8158

Harmonies

Analogous

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



48.9128, 61.7164, 71.9334



50.8820, 61.7164, 87.8280



54.9679, 61.7164, 99.2238

Triad

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



50.8820, 61.7164, 87.8280



68.9765, 61.7164, 78.5906



57.0585, 61.7164, 41.7170

Complementary

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



50.8820, 61.7164, 87.8280



51.0526, 43.6705, 30.5510

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.



62.5130, 61.7164, 42.9327



50.8820, 61.7164, 87.8280



69.6221, 61.7164, 62.6764

Square

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



50.8820, 61.7164, 87.8280



65.4787, 61.7164, 93.3433



67.1919, 61.7164, 50.0825



52.3311, 61.7164, 46.4578

Rectangle

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



50.8820, 61.7164, 87.8280



58.4551, 61.7164, 101.8507



67.1919, 61.7164, 50.0825



58.8645, 61.7164, 41.4602

Sweetspot

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



50.8839, 61.7188, 87.8294



82.9527, 91.2075, 107.8405



46.5116, 67.3881, 41.9359



17.4965, 19.3301, 23.0589



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.



50.8839, 61.7188, 87.8294



56.3015, 70.0456, 105.1605



40.5013, 40.9536, 84.3686



15.2751, 16.6367, 19.3284



19.0386, 24.7241, 47.5118



1.5548, 2.0611, 3.7508

Inverse Universe

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



56.2955, 41.4819, 71.3720



63.8863, 43.1014, 81.7758



60.4307, 62.4266, 33.6770



15.5924, 15.2648, 18.4050



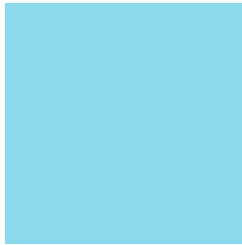
24.4651, 11.9887, 29.3142



1.9513, 0.9535, 2.4610

Previews

White Background



This preview shows how the XYZ color 50.8820, 61.7164, 87.8280 looks on a white background.

Color Contrast Check

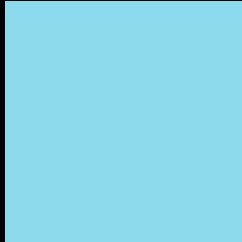
Large Text (above 18pt) WCAG AA × Fail

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 50.8820, 61.7164, 87.8280 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

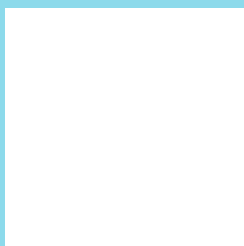
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.8820, 61.7164, 87.8280

Background



This preview shows how black text looks on a background with the XYZ color 50.8820, 61.7164, 87.8280.

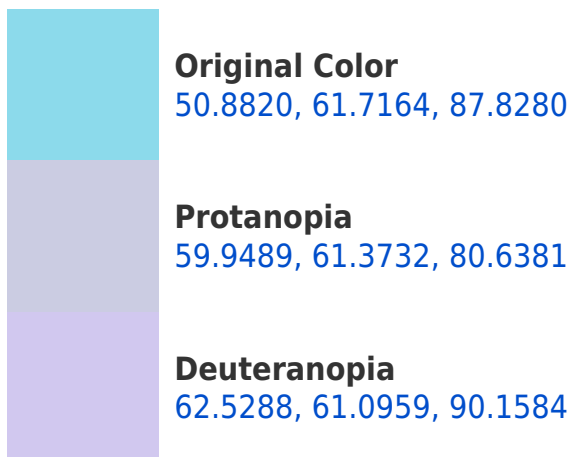


This preview shows how white text looks on a background with the XYZ color 50.8820, 61.7164,

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





Tritanopia

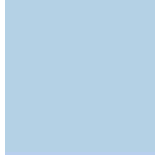
50.8820, 61.7164, 87.8280

Trichromacy



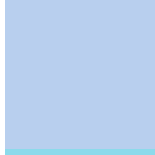
Original Color

50.8820, 61.7164, 87.8280



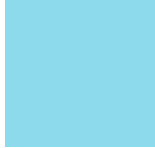
Protanomaly

55.7657, 60.9614, 82.9563



Deuteranomaly

57.5126, 60.9890, 89.6297



Tritanomaly

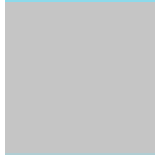
50.8820, 61.7164, 87.8280

Monochromacy



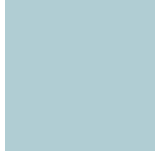
Original Color

50.8820, 61.7164, 87.8280



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

51.4937, 57.5959, 70.0311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8820, 61.7164, 87.8280 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(140, 218, 235)` looks like.

```
.text, #text, p{  
    color:rgb(140, 218, 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(140, 218, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 218, 235) }
```

Border

The CSS property to change the border of an element to XYZ 50.8820, 61.7164, 87.8280 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(140, 218, 235) }
```


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

```
.border{ border-color:rgb(140, 218, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 218, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 218, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 218, 235);  
box-shadow:4px 4px 4px 4px rgb(140, 218,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8820, 61.7164, 87.8280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 218, 235) }
```

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

```
.background{ background-color: rgb(140,  
218, 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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