

Converting Colors

XYZ(47.6358, 60.9703, 76.8191)

Have a look what the booklet for
XYZ(47.6358, 60.9703, 76.8191)
contains.

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Color

**XYZ(47.7174, 61.0995,
76.9886)**

Conversions

Conversions Part 1

Format	Color
Hex	82DCDC
RGB	130, 220, 220
RGB Percent	51%, 86%, 86%
CMY	0.4902, 0.1372, 0.1372
CMYK	0.41, 0.00, 0.00, 0.14
HSL	180°, 56%, 69%
HSV	180°, 41%, 86%
XYZ	47.7174, 61.0995, 76.9886
YIQ	193.0900, -53.6400, -19.0800

Conversions

Conversions Part 2

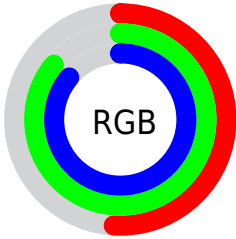
Format	Color
RYB	130, 175, 220
Decimal	8576220
CIELab	82.43, -26.89, -8.47
CIELCh	82, 28.189, 197.478
Yxy	61.0995, 0.2568, 0.3288
Android (android.graphics.Color)	4286766300 (0xFF82DCDC)
YUV	193.0900, 13.2666, -55.3299
Hunter-Lab	78.1662, -27.8235, -3.6805

Details

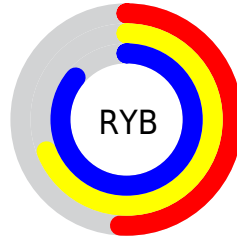
The XYZ color **47.7174, 61.0995, 76.9886** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **41.5292, 32.7945, 25.2624**, and the grayscale version is **50.6900, 53.3299, 58.0762**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **22.9943, 31.0433, 40.3773** is the 20% darker color. If you saturate the color by 10%, you get **44.6974, 59.5441, 76.8482**, and if you desaturate by 10%, it is **51.4625, 63.0316, 77.1656**.

Distribution



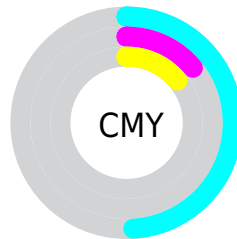
- Red (51%)
- Green (86%)
- Blue (86%)



- Red (51%)
- Yellow (69%)
- Blue (86%)



- Cyan (41%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)



- Cyan (49%)
- Magenta (14%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7174, 61.0995, 76.9886 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 47.7174, 61.0995, 76.9886 by changing the saturation by 10% instead.

47.7174, 61.0995,
76.9886

47.7174, 61.0995,
76.9886

368.2721,
428.6387, 504.1618

33.8135, 44.3055,
56.7320

85.9957, 106.4230,
130.8963

22.9125, 30.9107,
40.3822

111.1008,
135.7212, 165.3844

14.6493, 20.5309,
27.5206

140.6704,
169.9564, 205.4535

8.6583, 12.7815,
17.7287

175.0697,
209.5127, 251.5220

4.5743, 7.2783,
10.5880

214.6642,
254.7748, 304.0086

2.0319, 3.6367,
5.6798

259.8192,

0.6518, 1.4725,

306.1269, 363.3317

2.5858

310.9001,
363.9534, 429.9099

■ 0.0000, 0.2693,
0.8851

■ 0.0000, 0.0000,
0.0000

■ 47.7174, 61.0995,
76.9886

■ 47.7174, 61.0995,
76.9886

■ 44.6974, 59.5441,
76.8482

■ 51.4625, 63.0316,
77.1656

■ 42.3506, 58.3343,
76.7381


■ 55.9694, 65.3550,
77.3768


■ 40.6270, 57.4457,
76.6570


■ 61.2792, 68.0923,
77.6257


■ 39.4673, 56.8479,
76.6024


■ 67.4281, 71.2621,
77.9138


 38.8008, 56.5044,
76.5708


 74.4502, 74.8822,
78.2428

 38.5122, 56.3556,
76.5570

 79.7531, 77.6159,
78.4914

 79.7531, 77.6159,
78.4917

 79.7532, 77.6160,
78.4921

 79.7533, 77.6160,
78.4924

Harmonies

Analogous

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



47.4905, 61.0995, 59.5955



47.7174, 61.0995, 76.9886



50.5960, 61.0995, 94.0727

Triad

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



47.7174, 61.0995, 76.9886



67.0290, 61.0995, 91.5416



60.6191, 61.0995, 39.1289

Complementary

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



47.7174, 61.0995, 76.9886



41.5292, 32.7945, 25.2624

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.



66.2531, 61.0995, 44.9633



47.7174, 61.0995, 76.9886



70.1218, 61.0995, 73.9761

Square

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



47.7174, 61.0995, 76.9886



61.6197, 61.0995, 103.4210



69.8284, 61.0995, 57.0588



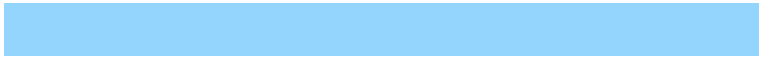
54.6656, 61.0995, 39.6521

Rectangle

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



47.7174, 61.0995, 76.9886



53.7515, 61.0995, 102.0879



69.8284, 61.0995, 57.0588



62.6207, 61.0995, 40.3629

Sweetspot

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



47.7192, 61.1019, 76.9900



84.6745, 94.6512, 108.4138



39.0621, 57.6658, 30.1924



17.9045, 20.1462, 23.1947



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.



47.7192, 61.1019, 76.9900



63.0231, 83.4896, 107.3987



37.7496, 41.1623, 73.6682



13.4449, 14.8296, 16.8058



22.6016, 33.0733, 44.9289



1.4642, 2.1426, 2.9107

Inverse Universe

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



41.5292, 32.7945, 25.2624



53.2621, 38.8517, 25.8296



48.5863, 46.9088, 27.6141



13.0561, 13.0515, 13.5567



17.3222, 8.9299, 0.8108



1.1222, 0.5785, 0.0526

Previews

White Background



This preview shows how the XYZ color 47.7174, 61.0995, 76.9886 looks on a white background.

Color Contrast Check

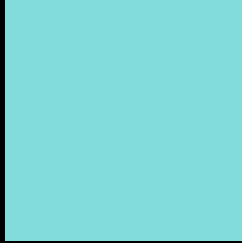
Large Text (above 18pt) WCAG AA × Fail

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 47.7174, 61.0995, 76.9886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

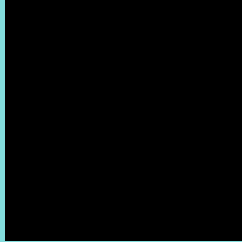
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7174, 61.0995, 76.9886

Background



This preview shows how black text looks on a background with the XYZ color 47.7174, 61.0995, 76.9886.

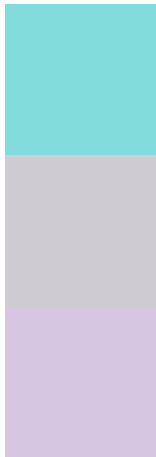


This preview shows how white text looks on a background with the XYZ color 47.7174, 61.0995,

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

47.7174, 61.0995, 76.9886

Protanopia

58.4424, 60.4868, 69.5676

Deuteranopia

61.5162, 60.1206, 79.5963



Tritanopia

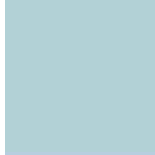
49.8983, 61.2093, 87.7819

Trichromacy



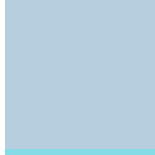
Original Color

47.7174, 61.0995, 76.9886



Protanomaly

53.2982, 59.9209, 72.3751



Deuteranomaly

54.9190, 59.5376, 78.4094



Tritanomaly

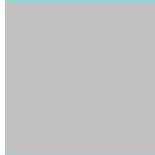
49.2873, 61.3628, 84.1094

Monochromacy



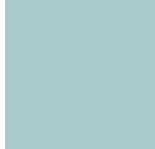
Original Color

47.7174, 61.0995, 76.9886



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.7130, 55.5697, 64.6585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7174, 61.0995, 76.9886 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(130, 220, 220)` looks like.

```
.text, #text, p{  
    color:rgb(130, 220, 220)  
}
```

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(130, 220, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 220, 220) }
```

Border

The CSS property to change the border of an element to XYZ 47.7174, 61.0995, 76.9886 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(130, 220, 220) }
```


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

```
.border{ border-color:rgb(130, 220, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 220, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 220, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 220, 220);  
box-shadow:4px 4px 4px 4px rgb(130, 220,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7174, 61.0995, 76.9886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 220, 220) }
```

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

```
.background{ background-color: rgb(130,  
220, 220) }
```

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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