

Converting Colors

XYZ(48.8235, 56.6813, 80.2960)

Have a look what the booklet for
XYZ(48.8235, 56.6813, 80.2960)
contains.

XYZ(48.8028, 56.6959, 80.3227)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.8028, 56.6959,
80.3227)**

Conversions

Conversions Part 1

Format	Color
Hex	97CFE2
RGB	151, 207, 226
RGB Percent	59%, 81%, 89%
CMY	0.4078, 0.1882, 0.1137
CMYK	0.33, 0.08, 0.00, 0.11
HSL	195°, 56%, 74%
HSV	195°, 33%, 89%
XYZ	48.8028, 56.6959, 80.3227
YIQ	192.4220, -39.4750, -5.9630

Conversions

Conversions Part 2

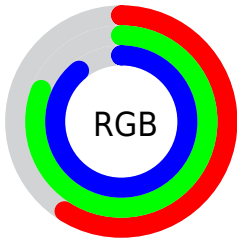
Format	Color
RYB	151, 183, 226
Decimal	9949154
CIELab	80.01, -13.45, -15.18
CIELCh	80, 20.282, 228.463
Yxy	56.6959, 0.2626, 0.3051
Android (android.graphics.Color)	4288139234 (0xFF97CFE2)
YUV	192.4220, 16.5540, -36.3271
Hunter-Lab	75.2967, -16.0762, -10.5399

Details

The XYZ color **48.8028, 56.6959, 80.3227** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.3256, 47.1534, 35.6761**, and the grayscale version is **50.2737, 52.8918, 57.5992**.

A 20% lighter version of the original color is **79.5421, 92.0054, 108.1742**, and **23.6717, 28.2641, 42.7360** is the 20% darker color. If you saturate the color by 10%, you get **43.6423, 52.0150, 79.6922**, and if you desaturate by 10%, it is **54.8211, 61.8963, 81.0103**.

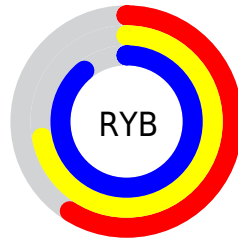
Distribution



Red (59%)

Green (81%)

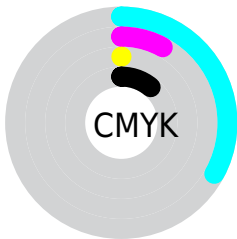
Blue (89%)



Red (59%)

Yellow (72%)

Blue (89%)

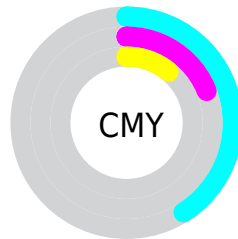


Cyan (33%)

Magenta (8%)

Yellow (0%)

Black (11%)



Cyan (41%)

Magenta (19%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8028, 56.6959, 80.3227 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 48.8028, 56.6959, 80.3227 by changing the saturation by 10% instead.

■ 48.8028, 56.6959,
80.3227

■ 48.8028, 56.6959,
80.3227

372.4953,
412.3088, 515.7551

■ 34.6770, 40.7611,
59.4562

■ 87.6010, 100.0213,
135.6348

■ 23.5795, 28.1325,
42.5580

■ 113.0040,
128.1808, 170.9176

■ 15.1450, 18.4256,
29.2097

142.8969,
161.1839, 211.8428

■ 9.0082, 11.2559,
18.9926

177.6449,
199.4152, 258.8290

■ 4.8037, 6.2393,
11.4881

217.6133,
243.2589, 312.2948

■ 2.1661, 2.9911,
6.2779

263.1677,

■ 0.7248, 1.1271,

293.0995, 372.6588

2.9433

314.6732,
349.3213, 440.3393

■ 0.0000, 0.0009,
1.0657

■ 0.0000, 0.0000,
0.0000

■ 48.8028, 56.6959,
80.3227

■ 48.8028, 56.6959,
80.3227

■ 43.6423, 52.0150,
79.6922

■ 54.8211, 61.8963,
81.0103

■ 39.2876, 47.8221,
79.1124

■ 61.7348, 67.6324,
81.7530

■ 35.6894, 44.0923,
78.5821

■ 69.5857, 73.9279,
82.5544

■ 32.7899, 40.7950,
78.0985

■ 78.4112, 80.8027,
83.4162

■ 30.5231, 37.8952,
77.6582

■ 84.8561, 86.5279,
84.1816

■ 28.8087, 35.3509,
77.2575

■ 86.5274, 89.8706,
84.7387

■ 27.8697, 33.7752,
77.0028

■ 88.2521, 93.3200,
85.3136

■ 90.0305, 96.8769,
85.9064

■ 90.7276, 98.2711,
86.1388

Harmonies

Analogous

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



46.7164, 56.6959, 69.2009



48.8028, 56.6959, 80.3227



52.3186, 56.6959, 86.7409

Triad

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



48.8028, 56.6959, 80.3227



62.0296, 56.6959, 66.3825



51.4173, 56.6959, 42.6134

Complementary

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



48.8028, 56.6959, 80.3227



51.3256, 47.1534, 35.6761

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.



55.4879, 56.6959, 42.0616



48.8028, 56.6959, 80.3227



61.7579, 56.6959, 54.8212

Square

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



48.8028, 56.6959, 80.3227



60.0387, 56.6959, 78.0344



59.3142, 56.6959, 46.2572



48.1720, 56.6959, 47.8750

Rectangle

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



48.8028, 56.6959, 80.3227



55.0623, 56.6959, 87.0063



59.3142, 56.6959, 46.2572



52.7301, 56.6959, 41.8982

Sweetspot

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



48.8045, 56.6981, 80.3240



84.2567, 91.4281, 107.8143



47.1922, 63.8660, 47.7479



17.7317, 19.3246, 23.0454



0.0000, 0.0000, 0.0000



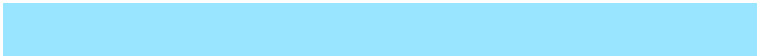
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.8045, 56.6981, 80.3240



59.2511, 70.1209, 105.0196



40.8193, 40.7277, 77.6623



13.8073, 14.9537, 17.5463



15.9990, 19.4675, 43.9627



1.1791, 1.4896, 3.0706

Inverse Universe

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



53.6946, 42.8085, 64.4667



66.7968, 49.7087, 80.3219



59.3245, 63.1512, 38.3424



14.1389, 13.8732, 16.5018



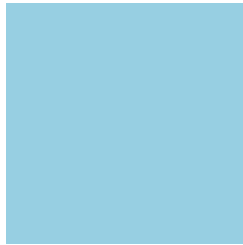
22.0157, 10.8733, 22.5465



1.5614, 0.7678, 1.7492

Previews

White Background



This preview shows how the XYZ color 48.8028, 56.6959, 80.3227 looks on a white background.

Color Contrast Check

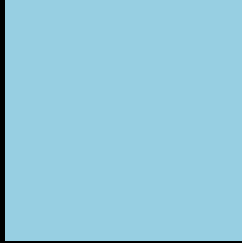
Large Text (above 18pt) WCAG AA × Fail

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 48.8028, 56.6959, 80.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

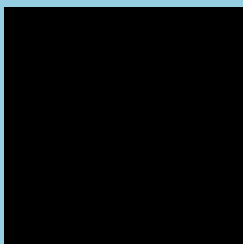
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

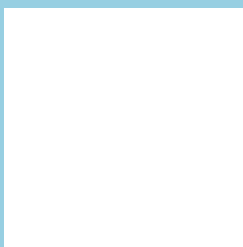
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8028, 56.6959, 80.3227

Background



This preview shows how black text looks on a background with the XYZ color 48.8028, 56.6959, 80.3227.



This preview shows how white text looks on a background with the XYZ color 48.8028, 56.6959,

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

48.8028, 56.6959, 80.3227

Protanopia

55.0318, 56.1964, 74.9643

Deuteranopia

57.5699, 56.3536, 81.9718



Tritanopia

48.5299, 56.5868, 78.8856

Trichromacy



Original Color

48.8028, 56.6959, 80.3227

Protanomaly

52.4295, 56.1662, 77.1851

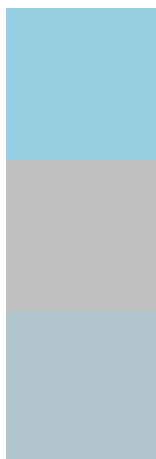
Deuteranomaly

53.7261, 56.0569, 81.3872

Tritanomaly

48.6659, 56.6412, 79.6020

Monochromacy



Original Color

48.8028, 56.6959, 80.3227

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.9968, 53.6392, 64.8977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8028, 56.6959, 80.3227 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(151, 207, 226)` looks like.

```
.text, #text, p{  
    color:rgb(151, 207, 226)  
}
```

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(151, 207, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 207, 226) }
```

Border

The CSS property to change the border of an element to XYZ 48.8028, 56.6959, 80.3227 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(151, 207, 226) }
```


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

```
.border{ border-color:rgb(151, 207, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 207, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 207, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 207, 226); box-shadow:4px 4px 4px 4px rgb(151, 207, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8028, 56.6959, 80.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 207, 226) }
```

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

```
.background{ background-color: rgb(151,  
207, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor