

Converting Colors

XYZ(51.0153, 62.1117, 87.1430)

Have a look what the booklet for
XYZ(51.0153, 62.1117, 87.1430)
contains.

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Color

**XYZ(50.9980, 62.1790,
87.1558)**

Conversions

Conversions Part 1

Format	Color
Hex	8CDBEA
RGB	140, 219, 234
RGB Percent	55%, 86%, 92%
CMY	0.4510, 0.1412, 0.0823
CMYK	0.40, 0.06, 0.00, 0.08
HSL	190°, 69%, 73%
HSV	190°, 40%, 92%
XYZ	50.9980, 62.1790, 87.1558
YIQ	197.0890, -51.8990, -12.0830

Conversions

Conversions Part 2

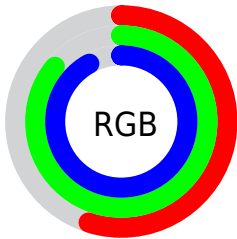
Format	Color
RYB	140, 183, 234
Decimal	9231338
CIELab	83.01, -20.47, -14.99
CIELCh	83, 25.371, 216.228
Yxy	62.1790, 0.2546, 0.3104
Android (android.graphics.Color)	4287421418 (0xFF8CDBEA)
YUV	197.0890, 18.1971, -50.0671
Hunter-Lab	78.8537, -22.5504, -10.3348

Details

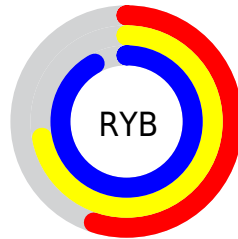
The XYZ color **50.9980, 62.1790, 87.1558** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.3877, 42.8295, 30.4237**, and the grayscale version is **53.0423, 55.8046, 60.7712**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **24.9675, 31.6501, 46.9126** is the 20% darker color. If you saturate the color by 10%, you get **46.5038, 58.4337, 86.6708**, and if you desaturate by 10%, it is **56.3562, 66.4050, 87.6902**.

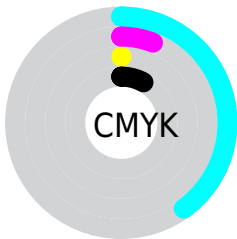
Distribution



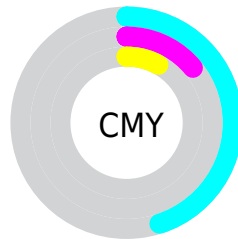
- Red (55%)
- Green (86%)
- Blue (92%)



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



- Cyan (40%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (45%)
- Magenta (14%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9980, 62.1790, 87.1558 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 50.9980, 62.1790, 87.1558 by changing the saturation by 10% instead.

■ 50.9980, 62.1790,
87.1558

■ 50.9980, 62.1790,
87.1558

380.9438,
432.5837, 539.0642

■ 36.4281, 45.1774,
65.0638

■ 90.8348, 107.9842,
145.2821

■ 24.9366, 31.5971,
47.0611

■ 116.8324,
137.5565, 182.1534

■ 16.1583, 21.0540,
32.7293

147.3699,
172.0879, 224.7882

■ 9.7278, 13.1635,
21.6497

182.8127,
211.9626, 273.6051

■ 5.2797, 7.5412,
13.4039

223.5261,
257.5652, 329.0227

■ 2.4487, 3.8028,
7.5733

269.8756,

■ 0.8695, 1.5639,

309.2800, 391.4593

3.7393

322.2263,
367.4914, 461.3336

■ 0.0000, 0.3331,
1.4834

■ 0.0000, 0.0000,
0.2055

■ 50.9980, 62.1790,
87.1558

■ 50.9980, 62.1790,
87.1558

■ 46.5038, 58.4337,
86.6708

■ 56.3562, 66.4050,
87.6902

■ 42.8142, 55.1340,
86.2284


■ 62.6218, 71.1299,
88.2719


■ 39.8710, 52.2512,
85.8271


■ 69.8419, 76.3798,
88.9047


■ 37.6059, 49.7496,
85.4636


■ 78.0587, 82.1766,
89.5905


 35.9371, 47.5871,
85.1342


 86.5705, 88.1587,
90.2966

 34.7419, 45.7214,
84.8370

 87.6669, 90.3514,
90.6620

 88.7859, 92.5895,
91.0351

 89.9278, 94.8731,
91.4157

 91.0925, 97.2027,
91.8039

Harmonies

Analogous

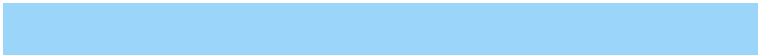
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.2282, 62.1790, 71.0305



50.9980, 62.1790, 87.1558



54.9516, 62.1790, 99.2558

Triad

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



50.9980, 62.1790, 87.1558



69.2796, 62.1790, 80.6138



57.9631, 62.1790, 41.9092

Complementary

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



50.9980, 62.1790, 87.1558



50.3877, 42.8295, 30.4237

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.



63.4506, 62.1790, 43.6639



50.9980, 62.1790, 87.1558



70.2088, 62.1790, 64.4798

Square

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



50.9980, 62.1790, 87.1558



65.5501, 62.1790, 95.0889



68.0160, 62.1790, 51.3831



53.0862, 62.1790, 46.1545

Rectangle

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



50.9980, 62.1790, 87.1558



58.4087, 62.1790, 102.5115



68.0160, 62.1790, 51.3831



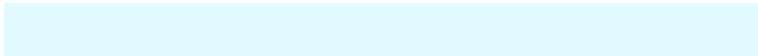
59.7953, 62.1790, 41.8273

Sweetspot

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



50.9999, 62.1814, 87.1573



83.1368, 91.5756, 107.9018



46.0805, 66.7588, 41.0741



17.5400, 19.4172, 23.0734



0.0000, 0.0000, 0.0000



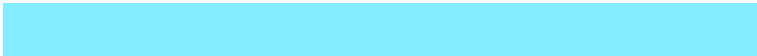
20.3446, 21.4041, 23.3091

Same Dimension

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



50.9999, 62.1814, 87.1573



57.5031, 71.8606, 105.4475



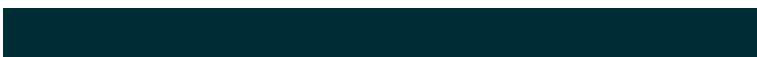
40.5924, 41.3664, 83.6881



15.3011, 16.6887, 19.3370



19.6003, 25.8476, 47.6990



1.5939, 2.1394, 3.7638

Inverse Universe

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



56.0975, 41.3647, 72.0480



64.6364, 43.9511, 84.0309



59.5766, 61.2073, 33.4866



15.6056, 15.2701, 18.4741



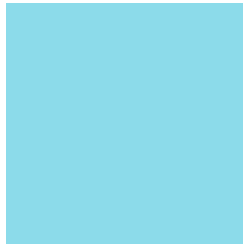
24.7486, 12.1021, 30.8073



1.9710, 0.9614, 2.5649

Previews

White Background



This preview shows how the XYZ color 50.9980, 62.1790, 87.1558 looks on a white background.

Color Contrast Check

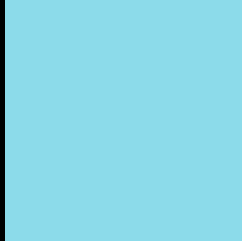
Large Text (above 18pt) WCAG AA × Fail

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 50.9980, 62.1790, 87.1558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

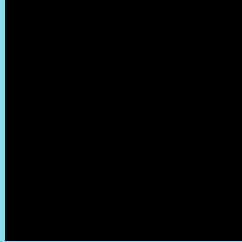
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9980, 62.1790, 87.1558

Background



This preview shows how black text looks on a background with the XYZ color 50.9980, 62.1790, 87.1558.

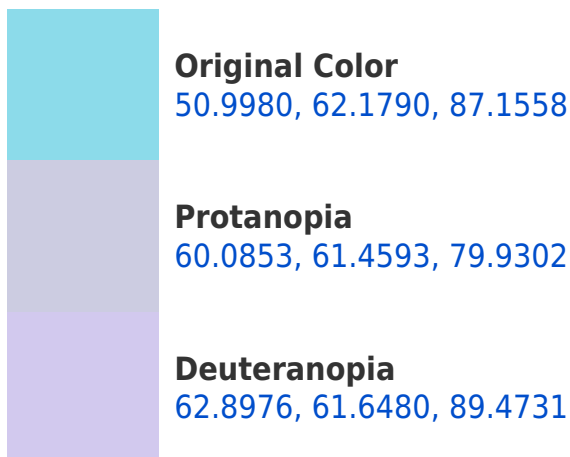


This preview shows how white text looks on a background with the XYZ color 50.9980, 62.1790,

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

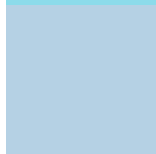
51.4563, 62.3819, 88.6858

Trichromacy



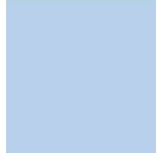
Original Color

50.9980, 62.1790, 87.1558



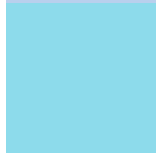
Protanomaly

55.8601, 61.0261, 82.2339



Deuteranomaly

57.8495, 61.5405, 88.9503



Tritanomaly

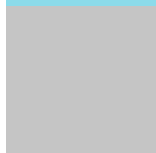
51.3114, 62.3239, 87.9226

Monochromacy



Original Color

50.9980, 62.1790, 87.1558



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

51.3687, 57.5459, 69.3728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9980, 62.1790, 87.1558 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, 219, 234)` looks like.

```
.text, #text, p{  
    color:rgb(140, 219, 234)  
}
```

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, 219, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 219, 234) }
```

Border

The CSS property to change the border of an element to XYZ 50.9980, 62.1790, 87.1558 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, 219, 234) }
```


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

```
.border{ border-color:rgb(140, 219, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 219, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 219, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 219, 234);  
box-shadow:4px 4px 4px 4px rgb(140, 219,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9980, 62.1790, 87.1558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 219, 234) }
```

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

```
.background{ background-color: rgb(140,  
219, 234) }
```

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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