

Converting Colors

XYZ(47.7335, 56.4180, 60.5919)

Have a look what the booklet for
XYZ(47.7335, 56.4180, 60.5919)
contains.

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Color

**XYZ(47.7937, 56.6105,
60.6325)**

Conversions

Conversions Part 1

Format	Color
Hex	A5CFC4
RGB	165, 207, 196
RGB Percent	65%, 81%, 77%
CMY	0.3529, 0.1882, 0.2314
CMYK	0.20, 0.00, 0.05, 0.19
HSL	164°, 30%, 73%
HSV	164°, 20%, 81%
XYZ	47.7937, 56.6105, 60.6325
YIQ	193.1880, -21.5010, -12.3250

Conversions

Conversions Part 2

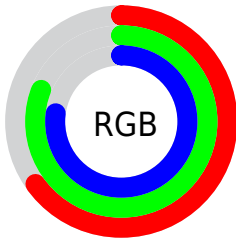
Format	Color
RYB	165, 189, 207
Decimal	10866628
CIELab	79.96, -16.02, 0.91
CIELCh	80, 16.045, 176.764
Yxy	56.6105, 0.2896, 0.3430
Android (android.graphics.Color)	4289056708 (0xFFA5CFC4)
YUV	193.1880, 1.3863, -24.7209
Hunter-Lab	75.2399, -18.2837, 4.8888

Details

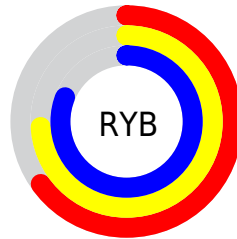
The XYZ color **47.7937, 56.6105, 60.6325** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.0258, 43.3118, 46.9582**, and the grayscale version is **50.8016, 53.4472, 58.2040**.

A 20% lighter version of the original color is **83.3084, 93.9840, 106.6784**, and **22.9558, 28.1802, 29.8206** is the 20% darker color. If you saturate the color by 10%, you get **43.2259, 54.3273, 57.2556**, and if you desaturate by 10%, it is **53.0839, 59.2666, 64.1621**.

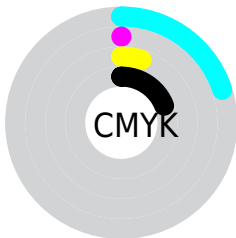
Distribution



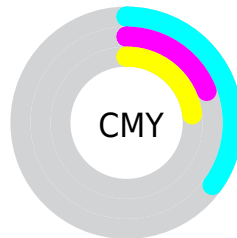
- Red (65%)
- Green (81%)
- Blue (77%)



- Red (65%)
- Yellow (74%)
- Blue (81%)



- Cyan (20%)
- Magenta (0%)
- Yellow (5%)
- Black (19%)





- Cyan (35%)
- Magenta (19%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7937, 56.6105, 60.6325 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 47.7937, 56.6105, 60.6325 by changing the saturation by 10% instead.

 47.7937, 56.6105,
60.6325


 47.7937, 56.6105,
60.6325


368.5700,
411.9882, 444.7944

 33.8741, 40.6926,
43.5000


 86.1087, 99.8966,
107.2990

 22.9593, 28.0790,
29.9433


 111.2349,
128.0337, 137.6701

 14.6840, 18.3852,
19.5439


140.8272,
161.0125, 173.2911

 8.6828, 11.2269,
11.8832

175.2512,
199.2176, 214.5806

 4.5903, 6.2197,
6.5426

214.8721,
243.0333, 261.9572

 2.0412, 2.9791,
3.1037

260.0553,

 0.6570, 1.1208,

292.8441, 315.8393

1.1478

311.1662,
349.0342, 376.6455

■ 0.0000, 0.0000,
0.0000

■ 47.7937, 56.6105,
60.6325

■ 47.7937, 56.6105,
60.6325

■ 43.2259, 54.3273,
57.2556

■ 53.0839, 59.2666,
64.1621

■ 39.3420, 52.3925,
54.0248

■ 59.1232, 62.3047,
67.8432

■ 36.1071, 50.7898,
50.9384

■ 65.9427, 65.7425,
71.6796

■ 33.4813, 49.4987,
47.9932

■ 73.5703, 69.5941,
75.6739

■ 31.4202, 48.4961,
45.1860

■ 76.8886, 71.2216,
79.5876

■ 29.8730, 47.7561,
42.5131

■ 77.6321, 71.5190,
83.5032

■ 28.7797, 47.2476,
39.9702

■ 78.3993, 71.8259,
87.5432

■ 28.0453, 46.9203,
37.6195

■ 79.1904, 72.1423,
91.7088

■ 80.0055, 72.4684,
96.0010

Harmonies

Analogous

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



48.7371, 56.6105, 52.3233



47.7937, 56.6105, 60.6325



48.4070, 56.6105, 70.0729

Triad

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



47.7937, 56.6105, 60.6325



56.6760, 56.6105, 79.0780



57.3121, 56.6105, 47.8230

Complementary

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



47.7937, 56.6105, 60.6325



47.0258, 43.3118, 46.9582

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.



59.5935, 56.6105, 53.9109



47.7937, 56.6105, 60.6325



59.2159, 56.6105, 72.0000

Square

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



47.7937, 56.6105, 60.6325



53.4539, 56.6105, 81.3338



60.3037, 56.6105, 62.6570



54.1608, 56.6105, 45.4120

Rectangle

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



47.7937, 56.6105, 60.6325



49.6302, 56.6105, 75.6494



60.3037, 56.6105, 62.6570



58.2110, 56.6105, 49.4753

Sweetspot

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



47.7953, 56.6128, 60.6338



89.0048, 96.9573, 105.2838



47.0559, 56.5981, 44.0427



18.9157, 20.6850, 22.4520



0.0000, 0.0000, 0.0000



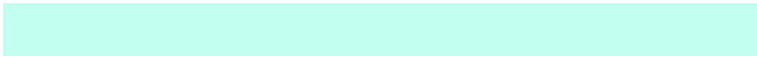
20.3446, 21.4041, 23.3091

Same Dimension

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



47.7953, 56.6128, 60.6338



73.5321, 89.1930, 94.9773



46.7930, 52.5298, 66.7072



12.0206, 13.3520, 14.4650



17.7097, 29.5768, 23.9150



1.0218, 1.6664, 1.5036

Inverse Universe

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



47.0258, 43.3118, 46.9582



72.0992, 64.3994, 69.4931



47.8166, 46.5658, 42.0662



11.9341, 11.8584, 12.9286



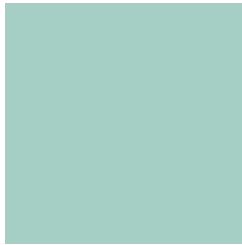
16.6687, 8.5403, 3.1614



0.9651, 0.4908, 0.3511

Previews

White Background



This preview shows how the XYZ color 47.7937, 56.6105, 60.6325 looks on a white background.

Color Contrast Check

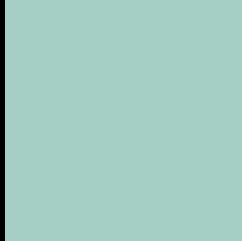
Large Text (above 18pt) WCAG AA × Fail

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 47.7937, 56.6105, 60.6325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

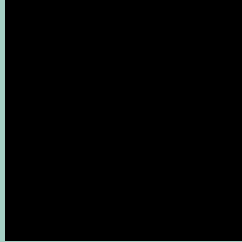
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7937, 56.6105, 60.6325

Background



This preview shows how black text looks on a background with the XYZ color 47.7937, 56.6105, 60.6325.

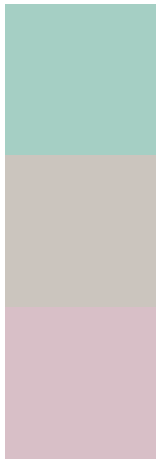


This preview shows how white text looks on a background with the XYZ color 47.7937, 56.6105,

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

47.7937, 56.6105, 60.6325

Protanopia

53.8891, 56.3467, 56.7509

Deuteranopia

57.2585, 55.9841, 61.8210



Tritanopia

50.8518, 56.4252, 75.9211

Trichromacy



Original Color

47.7937, 56.6105, 60.6325

Protanomaly

51.3873, 56.3979, 58.0466

Deuteranomaly

53.1853, 55.8800, 61.4088

Tritanomaly

49.4992, 56.2137, 69.8695

Monochromacy



Original Color

47.7937, 56.6105, 60.6325

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.4601, 54.3505, 58.9228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7937, 56.6105, 60.6325 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(165, 207, 196)` looks like.

```
.text, #text, p{  
    color:rgb(165, 207, 196)  
}
```

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(165, 207, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 207, 196) }
```

Border

The CSS property to change the border of an element to XYZ 47.7937, 56.6105, 60.6325 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(165, 207, 196) }
```


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

```
.border{ border-color:rgb(165, 207, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 207, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 207, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 207, 196);  
box-shadow:4px 4px 4px 4px rgb(165, 207,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7937, 56.6105, 60.6325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 207, 196) }
```

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

```
.background{ background-color: rgb(165,  
207, 196) }
```

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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