

Converting Colors

XYZ(49.1896, 55.6935, 64.8338)

Have a look what the booklet for
XYZ(49.1896, 55.6935, 64.8338)
contains.

XYZ(49.1487, 55.7943, 64.6789)	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(49.1487, 55.7943,
64.6789)**

Conversions

Conversions Part 1

Format	Color
Hex	ACCBCB
RGB	172, 203, 203
RGB Percent	67%, 80%, 80%
CMY	0.3255, 0.2039, 0.2039
CMYK	0.15, 0.00, 0.00, 0.20
HSL	180°, 23%, 74%
HSV	180°, 15%, 80%
XYZ	49.1487, 55.7943, 64.6789
YIQ	193.7310, -18.4760, -6.5720

Conversions

Conversions Part 2

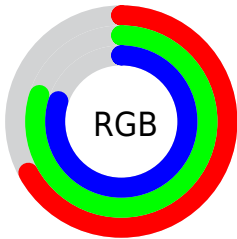
Format	Color
RYB	172, 188, 203
Decimal	11324363
CIELab	79.50, -10.30, -3.48
CIElCh	79, 10.870, 198.644
Yxy	55.7943, 0.2898, 0.3289
Android (android.graphics.Color)	4289514443 (0xFFACCBCB)
YUV	193.7310, 4.5696, -19.0581
Hunter-Lab	74.6956, -13.2666, 0.9477

Details

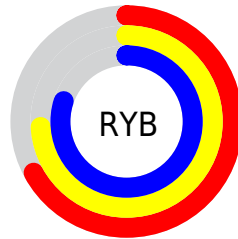
The XYZ color **49.1487, 55.7943, 64.6789** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.8295, 45.1817, 45.2849**, and the grayscale version is **51.1022, 53.7634, 58.5484**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **23.7800, 27.5868, 32.5052** is the 20% darker color. If you saturate the color by 10%, you get **45.0295, 53.6723, 64.4862**, and if you desaturate by 10%, it is **53.9517, 58.2718, 64.9060**.

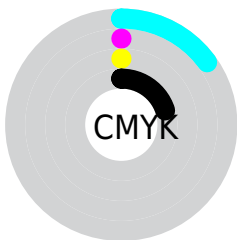
Distribution



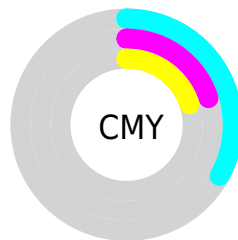
- Red (67%)
- Green (80%)
- Blue (80%)



- Red (67%)
- Yellow (74%)
- Blue (80%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (33%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1487, 55.7943, 64.6789 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 49.1487, 55.7943, 64.6789 by changing the saturation by 10% instead.

■ 49.1487, 55.7943,
64.6789

■ 49.1487, 55.7943,
64.6789

373.8347,
408.9158, 459.9118

■ 34.9525, 40.0380,
46.7511

■ 88.1117, 98.7038,
113.1969

■ 23.7926, 27.5682,
32.4860

113.6091,
126.6257, 144.6242

■ 15.3038, 18.0004,
21.4651

143.6043,
159.3717, 181.3884

■ 9.1205, 10.9503,
13.2698

178.4627,
197.3261, 223.9080

■ 4.8776, 6.0334,
7.4817

218.5496,
240.8734, 272.6017

■ 2.2097, 2.8654,
3.6822

264.2303,

■ 0.7478, 1.0619,

290.3978, 327.8878

1.4526

315.8702,
346.2838, 390.1850

■ 0.0000, 0.0000,
0.1823

■ 0.0000, 0.0000,
0.0000

■ 49.1487, 55.7943,
64.6789

■ 49.1487, 55.7943,
64.6789

■ 45.0295, 53.6723,
64.4862

■ 53.9517, 58.2718,
64.9060

■ 41.5585, 51.8829,
64.3226

■ 59.4625, 61.1127,
65.1650

■ 38.7042, 50.4115,
64.1879

■ 65.7100, 64.3334,
65.4585

■ 36.4305, 49.2394,
64.0804

■ 72.7197, 67.9470,
65.7876

■ 34.6975, 48.3461,
63.9982

■ 73.3777, 68.2861,
65.8195

■ 33.4606, 47.7084,
63.9392

■ 73.3779, 68.2862,
65.8207

■ 32.6676, 47.2996,
63.9010

■ 73.3781, 68.2863,
65.8218

■ 32.2550, 47.0870,
63.8806

■ 73.3783, 68.2864,
65.8229

■ 32.1348, 47.0250,
63.8744

■ 73.3785, 68.2865,
65.8240

Harmonies

Analogous

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



49.0174, 55.7943, 58.4120



49.1487, 55.7943, 64.6789



50.3030, 55.7943, 70.2373

Triad

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



49.1487, 55.7943, 64.6789



56.2474, 55.7943, 69.0526



53.8624, 55.7943, 49.7008

Complementary

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



49.1487, 55.7943, 64.6789



46.8295, 45.1817, 45.2849

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.



55.8555, 55.7943, 52.1589



49.1487, 55.7943, 64.6789



57.2575, 55.7943, 63.1506

Square

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



49.1487, 55.7943, 64.6789



54.3853, 55.7943, 72.8796



57.1121, 55.7943, 56.9845



51.6990, 55.7943, 50.0479

Rectangle

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



49.1487, 55.7943, 64.6789



51.5155, 55.7943, 72.6599



57.1121, 55.7943, 56.9845



54.5755, 55.7943, 50.2192

Sweetspot

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



49.1503, 55.7966, 64.6802



90.5136, 97.6614, 108.6868



45.9309, 54.5220, 47.1338



19.2424, 20.8359, 23.2573



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.



49.1503, 55.7966, 64.6802



80.1321, 92.3096, 108.1985



45.7812, 49.0578, 63.5587



11.5433, 12.7271, 14.4183



20.4495, 29.9251, 40.6476



1.0550, 1.5438, 2.0970

Inverse Universe

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



46.8295, 45.1817, 45.2849



75.5865, 71.5186, 70.2098



49.8438, 51.2106, 46.2884



11.2124, 11.2137, 11.6531



15.6736, 8.0800, 0.7339



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 49.1487, 55.7943, 64.6789 looks on a white background.

Color Contrast Check

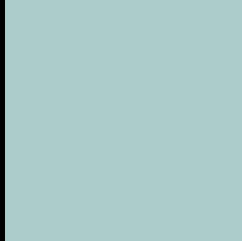
Large Text (above 18pt) WCAG AA × Fail

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 49.1487, 55.7943, 64.6789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

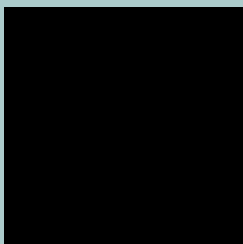
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

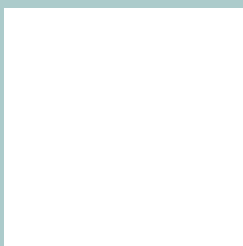
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1487, 55.7943, 64.6789

Background



This preview shows how black text looks on a background with the XYZ color 49.1487, 55.7943, 64.6789.

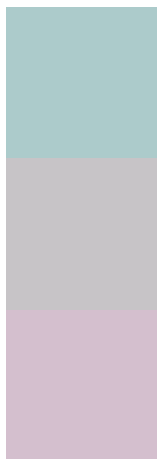


This preview shows how white text looks on a background with the XYZ color 49.1487, 55.7943,

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

49.1487, 55.7943, 64.6789

Protanopia

53.6019, 55.7455, 61.9677

Deuteranopia

56.9228, 55.7149, 66.1464



Tritanopia

51.0902, 55.8970, 73.7421

Trichromacy



Original Color

49.1487, 55.7943, 64.6789

Protanomaly

51.8350, 55.8358, 62.6890

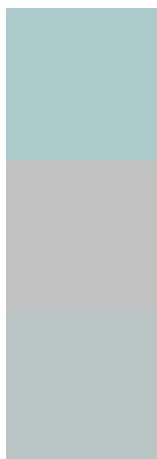
Deuteranomaly

53.5605, 55.3083, 65.6102

Tritanomaly

50.4598, 55.9932, 70.4356

Monochromacy



Original Color

49.1487, 55.7943, 64.6789

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.2940, 54.4028, 60.6733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1487, 55.7943, 64.6789 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(172, 203, 203)` looks like.

```
.text, #text, p{  
    color:rgb(172, 203, 203)  
}
```

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(172, 203, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 203, 203) }
```

Border

The CSS property to change the border of an element to XYZ 49.1487, 55.7943, 64.6789 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(172, 203, 203) }
```


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

```
.border{ border-color:rgb(172, 203, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 203, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 203, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 203, 203);  
box-shadow:4px 4px 4px 4px rgb(172, 203,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1487, 55.7943, 64.6789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 203, 203) }
```

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

```
.background{ background-color: rgb(172,  
203, 203) }
```

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