

Converting Colors

XYZ(49.6025, 57.2503, 60.9875)

Have a look what the booklet for
XYZ(49.6025, 57.2503, 60.9875)
contains.

XYZ(49.6049, 57.1725, 61.2443)	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(49.6049, 57.1725,
61.2443)**

Conversions

Conversions Part 1

Format	Color
Hex	AECEC5
RGB	174, 206, 197
RGB Percent	68%, 81%, 77%
CMY	0.3176, 0.1921, 0.2274
CMYK	0.16, 0.00, 0.04, 0.19
HSL	163°, 25%, 75%
HSV	163°, 16%, 81%
XYZ	49.6049, 57.1725, 61.2443
YIQ	195.4060, -16.1830, -9.5830

Conversions

Conversions Part 2

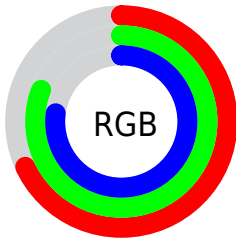
Format	Color
RYB	174, 193, 206
Decimal	11456197
CIELab	80.28, -12.42, 0.90
CIElCh	80, 12.456, 175.858
Yxy	57.1725, 0.2952, 0.3403
Android (android.graphics.Color)	4289646277 (0xFFAECEC5)
YUV	195.4060, 0.7858, -18.7731
Hunter-Lab	75.6125, -15.2186, 4.9053

Details

The XYZ color **49.6049, 57.1725, 61.2443** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.1389, 46.8143, 51.2484**, and the grayscale version is **52.1176, 54.8318, 59.7118**.

A 20% lighter version of the original color is **86.2825, 95.4988, 107.6515**, and **24.0713, 28.5046, 30.2198** is the 20% darker color. If you saturate the color by 10%, you get **44.7118, 54.7268, 57.6161**, and if you desaturate by 10%, it is **55.2306, 59.9960, 65.0424**.

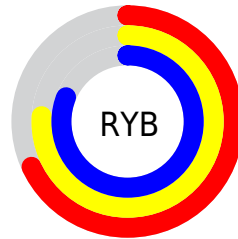
Distribution



Red (68%)

Green (81%)

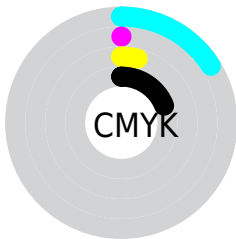
Blue (77%)



Red (68%)

Yellow (76%)

Blue (81%)

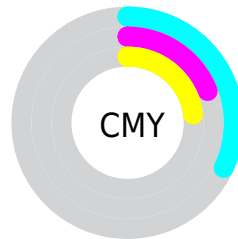


Cyan (16%)

Magenta (0%)

Yellow (4%)

Black (19%)



Cyan (32%)

Magenta (19%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6049, 57.1725, 61.2443 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 49.6049, 57.1725, 61.2443 by changing the saturation by 10% instead.

■ 49.6049, 57.1725,
61.2443

■ 49.6049, 57.1725,
61.2443

375.5964,
414.0954, 447.1005

■ 35.3161, 41.1438,
43.9905

■ 88.7845, 100.7168,
108.1936

■ 24.0741, 28.4314,
30.3259

114.4061,
129.0012, 138.7261

■ 15.5136, 18.6511,
19.8320

144.5358,
162.1396, 174.5220

■ 9.2693, 11.4185,
12.0901

179.5393,
200.5164, 215.9998

■ 4.9758, 6.3490,
6.6818

219.7817,
244.5160, 263.5780

■ 2.2677, 3.0585,
3.1885

265.6285,

■ 0.7780, 1.1623,

294.5227, 317.6751

1.1917

317.4449,
350.9211, 378.7098

■ 0.0000, 0.0306,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.6049, 57.1725,
61.2443

■ 49.6049, 57.1725,
61.2443

■ 44.7118, 54.7268,
57.6161

■ 55.2306, 59.9960,
65.0424

■ 40.5142, 52.6353,
54.1511

■ 61.6144, 63.2058,
69.0096

■ 36.9791, 50.8823,
50.8474

■ 68.7862, 66.8187,
73.1498

■ 34.0686, 49.4485,
47.7017

■ 76.2548, 70.5817,
77.4414

■ 31.7411, 48.3124,
44.7105

■ 77.0368, 70.8945,
81.5591

■ 29.9496, 47.4499,
41.8701

■ 77.8456, 71.2180,
85.8184

■ 28.6396, 46.8328,
39.1762

■ 78.6816, 71.5524,
90.2206

■ 27.7442, 46.4268,
36.6240

■ 79.5450, 71.8978,
94.7671

■ 27.4218, 46.2845,
35.5272

■ 80.4360, 72.2542,
99.4592

Harmonies

Analogous

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



50.3906, 57.1725, 54.7124



49.6049, 57.1725, 61.2443



50.0552, 57.1725, 68.5654

Triad

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



49.6049, 57.1725, 61.2443



56.5029, 57.1725, 75.7328



57.1336, 57.1725, 51.3580

Complementary

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



49.6049, 57.1725, 61.2443



49.1389, 46.8143, 51.2484

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.



58.8641, 57.1725, 56.3370



49.6049, 57.1725, 61.2443



58.4921, 57.1725, 70.4524

Square

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



49.6049, 57.1725, 61.2443



53.9880, 57.1725, 77.3007



59.3688, 57.1725, 63.2689



54.6950, 57.1725, 49.2938

Rectangle

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



49.6049, 57.1725, 61.2443



51.0036, 57.1725, 72.8590



59.3688, 57.1725, 63.2689



57.8204, 57.1725, 52.7264

Sweetspot

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



49.6065, 57.1749, 61.2456



89.9416, 97.4326, 105.6746



49.2574, 57.2766, 48.5046



19.1030, 20.7802, 22.5229



0.0000, 0.0000, 0.0000



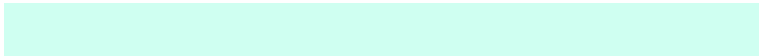
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6065, 57.1749, 61.2456



77.2991, 91.0937, 97.0181



49.0367, 54.3346, 66.2984



11.4034, 12.6711, 13.6819



16.9279, 28.5165, 22.1033



0.9047, 1.4837, 1.3056

Inverse Universe

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



49.1389, 46.8143, 51.2484



76.3860, 70.8447, 77.4834



49.6057, 49.2001, 46.9273



11.3399, 11.2647, 12.3245



16.1791, 8.2822, 3.3960



0.8676, 0.4404, 0.3487

Previews

White Background



This preview shows how the XYZ color 49.6049, 57.1725, 61.2443 looks on a white background.

Color Contrast Check

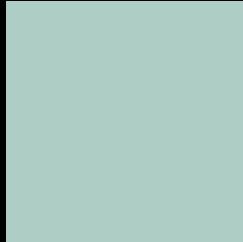
Large Text (above 18pt) WCAG AA × Fail

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 49.6049, 57.1725, 61.2443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

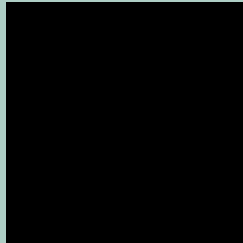
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6049, 57.1725, 61.2443

Background



This preview shows how black text looks on a background with the XYZ color 49.6049, 57.1725, 61.2443.



This preview shows how white text looks on a background with the XYZ color 49.6049, 57.1725,

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

49.6049, 57.1725, 61.2443

Protanopia

54.6104, 57.0313, 57.9990

Deuteranopia

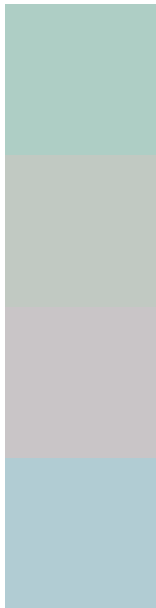
57.8902, 56.6211, 62.5214



Tritanopia

52.5022, 57.2913, 75.3090

Trichromacy



Original Color

49.6049, 57.1725, 61.2443

Protanomaly

52.6166, 57.0058, 59.2690

Deuteranomaly

54.3624, 56.4735, 62.0681

Tritanomaly

51.4822, 57.2360, 69.9623

Monochromacy



Original Color

49.6049, 57.1725, 61.2443

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.8807, 55.3972, 60.2356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6049, 57.1725, 61.2443 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(174, 206, 197)` looks like.

```
.text, #text, p{  
    color:rgb(174, 206, 197)  
}
```

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(174, 206, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 206, 197) }
```

Border

The CSS property to change the border of an element to XYZ 49.6049, 57.1725, 61.2443 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(174, 206, 197) }
```


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

```
.border{ border-color:rgb(174, 206, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 206, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 206, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 206, 197);  
box-shadow:4px 4px 4px 4px rgb(174, 206,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6049, 57.1725, 61.2443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 206, 197) }
```

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

```
.background{ background-color: rgb(174,  
206, 197) }
```

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