

Converting Colors

XYZ(46.2581, 49.7855, 61.1435)

Have a look what the booklet for
XYZ(46.2581, 49.7855, 61.1435)
contains.

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Color

**XYZ(46.1856, 49.6327,
61.1787)**

Conversions

Conversions Part 1

Format	Color
Hex	AFBDC7
RGB	175, 189, 199
RGB Percent	69%, 74%, 78%
CMY	0.3137, 0.2588, 0.2196
CMYK	0.12, 0.05, 0.00, 0.22
HSL	205°, 18%, 73%
HSV	205°, 12%, 78%
XYZ	46.1856, 49.6327, 61.1787
YIQ	185.9540, -11.5540, 0.1420

Conversions

Conversions Part 2

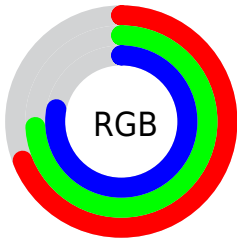
Format	Color
R_{YB}	175, 184, 199
Decimal	11517383
CIE Lab	75.84, -2.79, -6.68
CIE LCh	76, 7.242, 247.379
Yxy	49.6327, 0.2942, 0.3161
Android (android.graphics.Color)	4289707463 (0xFFAFBDC7)
YUV	185.9540, 6.4317, -9.6067
Hunter-Lab	70.4505, -6.2681, -2.1717

Details

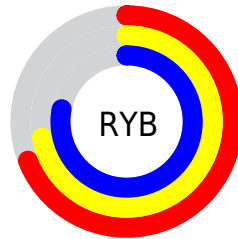
The XYZ color **46.1856, 49.6327, 61.1787** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.6403, 49.9349, 47.6331**, and the grayscale version is **46.6173, 49.0451, 53.4101**.

A 20% lighter version of the original color is **83.6574, 89.5137, 107.4764**, and **21.9410, 23.7902, 30.2236** is the 20% darker color. If you saturate the color by 10%, you get **40.3120, 44.0341, 60.4084**, and if you desaturate by 10%, it is **52.8223, 55.7786, 62.0160**.

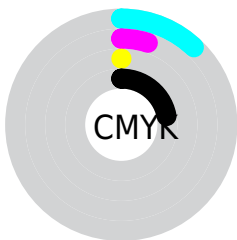
Distribution



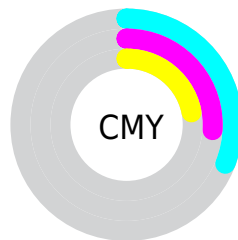
- Red (69%)
- Green (74%)
- Blue (78%)



- Red (69%)
- Yellow (72%)
- Blue (78%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)



- Cyan (31%)
- Magenta (26%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1856, 49.6327, 61.1787 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 46.1856, 49.6327, 61.1787 by changing the saturation by 10% instead.

■ 46.1856, 49.6327,
61.1787

■ 46.1856, 49.6327,
61.1787

362.2578,
385.2278, 446.8536

■ 32.5975, 35.1216,
43.9379

■ 83.7229, 89.6304,
108.0977

■ 21.9761, 23.7566,
30.2849

108.4028,
115.8859, 138.6130

■ 13.9558, 15.1532,
19.8010

137.5107,
146.8249, 174.3901

■ 8.1714, 8.9269,
12.0678

171.4120,
182.8320, 215.8478

■ 4.2576, 4.6936,
6.6668

210.4720,
224.2914, 263.4044

■ 1.8489, 2.0686,
3.1793

255.0560,

■ 0.5468, 0.6469,

271.5876, 317.4785

1.1869

305.5295,
325.1049, 378.4888

■ 0.0000, 0.0000,
0.0000

■ 46.1856, 49.6327,
61.1787

■ 46.1856, 49.6327,
61.1787

■ 40.3120, 44.0341,
60.4084

■ 52.8223, 55.7786,
62.0160

■ 35.1667, 38.9585,
59.6999

■ 60.2462, 62.4828,
62.9187

■ 30.7187, 34.3885,
59.0523

■ 68.4859, 69.7637,
63.8898

■ 26.9328, 30.3035,
58.4633

■ 77.5671, 77.6368,
64.9308

■ 23.7705, 26.6809,
57.9307

■ 79.9715, 82.2288,
65.6904

■ 21.1891, 23.4958,
57.4520

■ 82.3396, 86.9649,
66.4798

■ 19.1395, 20.7201,
57.0243

■ 84.8189, 91.9236,
67.3062

■ 17.5637, 18.3209,
56.6442

■ 87.3090, 96.9036,
68.1362

■ 16.5667, 16.6391,
56.3722

Harmonies

Analogous

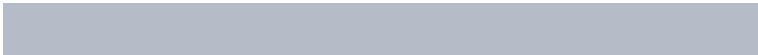
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.1469, 49.6327, 58.6690



46.1856, 49.6327, 61.1787



47.5077, 49.6327, 61.7332

Triad

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



46.1856, 49.6327, 61.1787



49.7887, 49.6327, 53.0949



45.6201, 49.6327, 48.3613

Complementary

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



46.1856, 49.6327, 61.1787



48.6403, 49.9349, 47.6331

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.



46.8427, 49.6327, 47.0169



46.1856, 49.6327, 61.1787



49.2617, 49.6327, 49.6641

Square

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



46.1856, 49.6327, 61.1787



49.6047, 49.6327, 56.9439



48.1772, 49.6327, 47.4823



44.8247, 49.6327, 51.2396

Rectangle

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



46.1856, 49.6327, 61.1787



48.3750, 49.6327, 60.8965



48.1772, 49.6327, 47.4823



45.9938, 49.6327, 47.7214

Sweetspot

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



46.1871, 49.6348, 61.1798



90.0559, 95.4355, 108.2822



46.8183, 53.4476, 53.5275



19.0801, 20.2472, 23.1524



0.0000, 0.0000, 0.0000



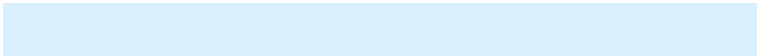
20.3446, 21.4041, 23.3091

Same Dimension

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



46.1871, 49.6348, 61.1798



78.5519, 84.7229, 106.8208



43.7901, 44.8409, 60.3808



10.5621, 11.2983, 13.5416



10.7408, 10.8754, 36.2774



0.5789, 0.6556, 1.7412

Inverse Universe

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



48.0696, 46.4772, 54.5840



82.3972, 78.3787, 93.3245



51.1674, 54.9892, 48.4755



10.8890, 10.7390, 12.3988



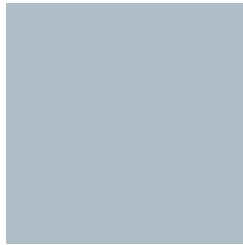
17.2208, 8.6379, 11.6384



0.8509, 0.4232, 0.7380

Previews

White Background



This preview shows how the XYZ color 46.1856, 49.6327, 61.1787 looks on a white background.

Color Contrast Check

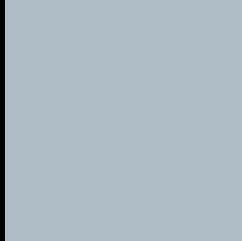
Large Text (above 18pt) WCAG AA × Fail

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 46.1856, 49.6327, 61.1787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

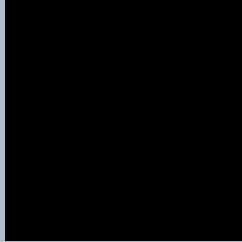
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

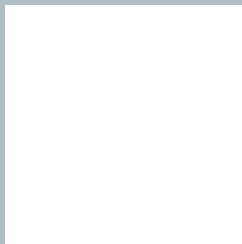
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1856, 49.6327, 61.1787

Background



This preview shows how black text looks on a background with the XYZ color 46.1856, 49.6327, 61.1787.

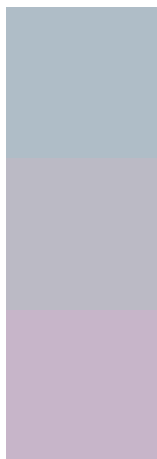


This preview shows how white text looks on a background with the XYZ color 46.1856, 49.6327,

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

46.1856, 49.6327, 61.1787

Protanopia

48.1305, 49.7138, 59.8823

Deuteranopia

50.6197, 49.4069, 62.1269



Tritanopia

46.6672, 49.5083, 63.5964

Trichromacy



Original Color

46.1856, 49.6327, 61.1787

Protanomaly

47.4918, 49.6851, 60.5132

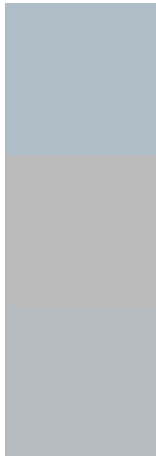
Deuteranomaly

48.8010, 49.3983, 61.6063

Tritanomaly

46.5484, 49.4608, 62.9706

Monochromacy



Original Color

46.1856, 49.6327, 61.1787

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.4657, 49.2473, 56.3469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1856, 49.6327, 61.1787 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(175, 189, 199) looks like.

```
.text, #text, p{  
    color:rgb(175, 189, 199)  
}
```

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(175, 189, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 189, 199) }
```

Border

The CSS property to change the border of an element to XYZ 46.1856, 49.6327, 61.1787 is called "border". The border property can be set on classes, ids or directly on the HTML element.

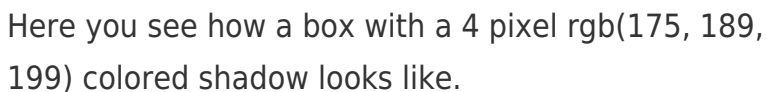
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 189, 199) }
```


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

```
.border{ border-color:rgb(175, 189, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 189, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 189, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 189, 199); box-shadow:4px 4px 4px 4px rgb(175, 189, 199) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1856, 49.6327, 61.1787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 189, 199) }
```

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

```
.background{ background-color: rgb(175,  
189, 199) }
```

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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