

Converting Colors

XYZ(46.6336, 49.4760, 61.2407)

Have a look what the booklet for
XYZ(46.6336, 49.4760, 61.2407)
contains.

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Color

**XYZ(46.6521, 49.5549,
61.1391)**

Conversions

Conversions Part 1

Format	Color
Hex	B2BCC7
RGB	178, 188, 199
RGB Percent	70%, 74%, 78%
CMY	0.3020, 0.2627, 0.2196
CMYK	0.11, 0.06, 0.00, 0.22
HSL	211°, 16%, 74%
HSV	211°, 11%, 78%
XYZ	46.6521, 49.5549, 61.1391
YIQ	186.2640, -9.4910, 1.3010

Conversions

Conversions Part 2

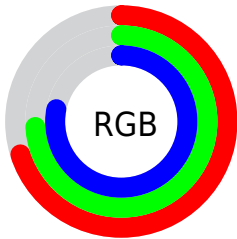
Format	Color
RYP	178, 185, 199
Decimal	11713735
CIELab	75.80, -1.26, -6.73
CIElCh	76, 6.849, 259.403
Yxy	49.5549, 0.2965, 0.3149
Android (android.graphics.Color)	4289903815 (0xFFB2BCC7)
YUV	186.2640, 6.2788, -7.2475
Hunter-Lab	70.3952, -4.8967, -2.2174

Details

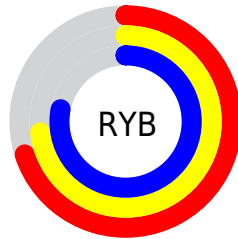
The XYZ color **46.6521, 49.5549, 61.1391** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.7869, 51.7514, 49.4853**, and the grayscale version is **46.7910, 49.2277, 53.6090**.

A 20% lighter version of the original color is **84.3324, 89.4138, 107.4215**, and **22.2323, 23.7323, 30.1971** is the 20% darker color. If you saturate the color by 10%, you get **40.2670, 43.0780, 60.2262**, and if you desaturate by 10%, it is **53.8633, 56.6990, 62.1388**.

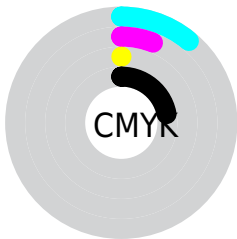
Distribution



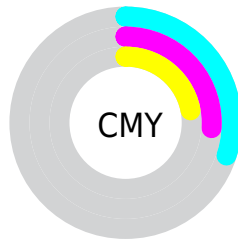
- Red (70%)
- Green (74%)
- Blue (78%)



- Red (70%)
- Yellow (73%)
- Blue (78%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)



- Cyan (30%)
- Magenta (26%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6521, 49.5549, 61.1391 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 46.6521, 49.5549, 61.1391 by changing the saturation by 10% instead.

■ 46.6521, 49.5549,
61.1391

■ 46.6521, 49.5549,
61.1391

364.0963,
384.9228, 446.7045

■ 32.9675, 35.0599,
43.9062

■ 84.4160, 89.5150,
108.0398

■ 22.2607, 23.7090,
30.2601

109.2260,
115.7489, 138.5446

■ 14.1662, 15.1179,
19.7824

138.4752,
146.6646, 174.3105

■ 8.3189, 8.9022,
12.0544

172.5289,
182.6464, 215.7560

■ 4.3532, 4.6774,
6.6578

211.7525,
224.0787, 263.2996

■ 1.9038, 2.0593,
3.1738

256.5114,

■ 0.5790, 0.6416,

271.3459, 317.3598

1.1841

307.1709,
324.8325, 378.3553

■ 0.0000, 0.0000,
0.0000

■ 46.6521, 49.5549,
61.1391

■ 46.6521, 49.5549,
61.1391

■ 40.2670, 43.0780,
60.2262

■ 53.8633, 56.6990,
62.1388

■ 34.6719, 37.2407,
59.3944

■ 61.9261, 64.5243,
63.2242

■ 29.8342, 32.0223,
58.6422

■ 70.8705, 73.0523,
64.3989

■ 25.7174, 27.3988,
57.9667

■ 79.7595, 81.8046,
65.6197

■ 22.2818, 23.3439,
57.3651

■ 82.7417, 87.7691,
66.6138

■ 19.4830, 19.8293,
56.8342

■ 85.9002, 94.0861,
67.6667

■ 17.2713, 16.8230,
56.3705

■ 87.3090, 96.9036,
68.1362

■ 15.5879, 14.2886,
55.9701

■ 14.3821, 12.2698,
55.6439

Harmonies

Analogous

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



45.5267, 49.5549, 59.4523



46.6521, 49.5549, 61.1391



47.9177, 49.5549, 60.8370

Triad

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



46.6521, 49.5549, 61.1391



49.4452, 49.5549, 51.6631



45.2676, 49.5549, 49.5259

Complementary

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



46.6521, 49.5549, 61.1391



49.7869, 51.7514, 49.4853

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.



46.2926, 49.5549, 47.6160



46.6521, 49.5549, 61.1391



48.7100, 49.5549, 48.8110

Square

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



46.6521, 49.5549, 61.1391



49.5457, 49.5549, 55.2553



47.5517, 49.5549, 47.3604



44.7370, 49.5549, 52.6790

Rectangle

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



46.6521, 49.5549, 61.1391



48.6701, 49.5549, 59.5524



47.5517, 49.5549, 47.3604



45.5649, 49.5549, 48.7233

Sweetspot

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



46.6535, 49.5570, 61.1402



91.0266, 96.0484, 108.3493



47.9534, 53.9803, 55.9515



19.2583, 20.3362, 23.1602



0.0000, 0.0000, 0.0000



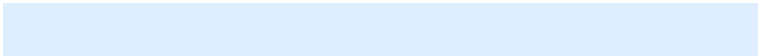
20.3446, 21.4041, 23.3091

Same Dimension

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



46.6535, 49.5570, 61.1402



78.5981, 83.6655, 106.6142



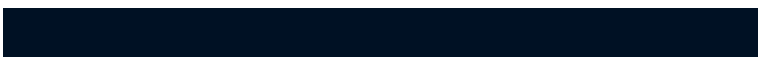
44.6706, 45.4717, 60.4562



10.4664, 11.1069, 13.5097



9.3344, 8.0627, 35.8086



0.5144, 0.5266, 1.7197

Inverse Universe

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



48.5518, 47.6148, 54.2109



82.7012, 79.5748, 91.6125



51.9206, 56.1564, 50.2231



10.8407, 10.7197, 12.1444



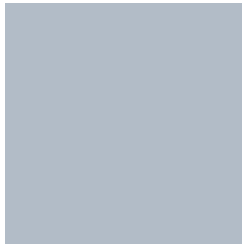
16.5109, 8.3539, 7.9002



0.8183, 0.4102, 0.5665

Previews

White Background



This preview shows how the XYZ color 46.6521, 49.5549, 61.1391 looks on a white background.

Color Contrast Check

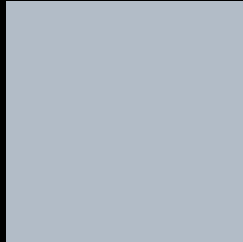
Large Text (above 18pt) WCAG AA × Fail

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 46.6521, 49.5549, 61.1391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

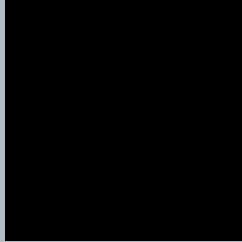
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

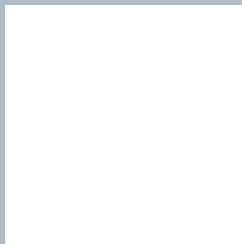
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6521, 49.5549, 61.1391

Background



This preview shows how black text looks on a background with the XYZ color 46.6521, 49.5549, 61.1391.



This preview shows how white text looks on a background with the XYZ color 46.6521, 49.5549,

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

46.6521, 49.5549, 61.1391

Protanopia

47.9205, 49.2939, 59.8123

Deuteranopia

50.2379, 49.2236, 61.4969



Tritanopia

47.0214, 49.3886, 62.9318

Trichromacy



Original Color

46.6521, 49.5549, 61.1391

Protanomaly

47.5191, 49.3854, 60.4539

Deuteranomaly

49.0517, 49.5275, 61.6180

Tritanomaly

46.9033, 49.3414, 62.3101

Monochromacy



Original Color

46.6521, 49.5549, 61.1391

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.7027, 49.3695, 56.3580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6521, 49.5549, 61.1391 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(178, 188, 199) looks like.

```
.text, #text, p{  
    color:rgb(178, 188, 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(178, 188, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 188, 199) }
```

Border

The CSS property to change the border of an element to XYZ 46.6521, 49.5549, 61.1391 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(178, 188, 199) }
```


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

```
.border{ border-color:rgb(178, 188, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 188, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 188, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 188, 199);  
box-shadow:4px 4px 4px 4px rgb(178, 188,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6521, 49.5549, 61.1391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 188, 199) }
```

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

```
.background{ background-color: rgb(178,  
188, 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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