

Converting Colors

XYZ(45.3194, 49.0226, 61.7578)

Have a look what the booklet for
XYZ(45.3194, 49.0226, 61.7578)
contains.

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Color

**XYZ(45.4175, 49.2232,
61.7509)**

Conversions

Conversions Part 1

Format	Color
Hex	ABBDC8
RGB	171, 189, 200
RGB Percent	67%, 74%, 78%
CMY	0.3294, 0.2588, 0.2157
CMYK	0.14, 0.05, 0.00, 0.22
HSL	203°, 21%, 73%
HSV	203°, 14%, 78%
XYZ	45.4175, 49.2232, 61.7509
YIQ	184.8720, -14.2590, -0.3950

Conversions

Conversions Part 2

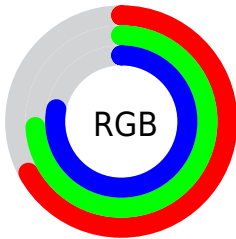
Format	Color
RYB	171, 182, 200
Decimal	11255240
CIELab	75.59, -3.89, -7.63
CIElCh	76, 8.566, 243.029
Yxy	49.2232, 0.2904, 0.3147
Android (android.graphics.Color)	4289445320 (0xFFABBDC8)
YUV	184.8720, 7.4581, -12.1657
Hunter-Lab	70.1592, -7.2269, -3.0728

Details

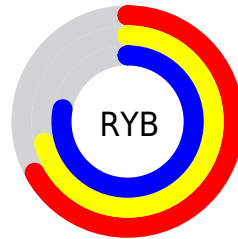
The XYZ color **45.4175, 49.2232, 61.7509** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.8985, 48.6755, 45.3998**, and the grayscale version is **46.0096, 48.4057, 52.7138**.

A 20% lighter version of the original color is **82.3810, 88.8557, 107.4167**, and **21.6002, 23.6056, 30.6120** is the 20% darker color. If you saturate the color by 10%, you get **39.7976, 43.9682, 61.0336**, and if you desaturate by 10%, it is **51.7848, 54.9927, 62.5297**.

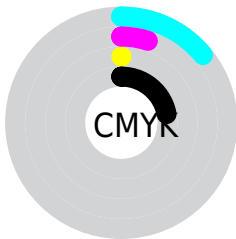
Distribution



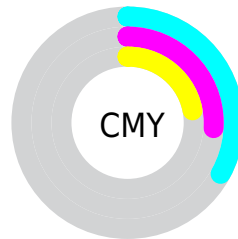
- Red (67%)
- Green (74%)
- Blue (78%)



- Red (67%)
- Yellow (71%)
- Blue (78%)



- Cyan (14%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)



- Cyan (33%)
- Magenta (26%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4175, 49.2232, 61.7509 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 45.4175, 49.2232, 61.7509 by changing the saturation by 10% instead.

■ 45.4175, 49.2232,
61.7509

■ 45.4175, 49.2232,
61.7509

359.2171,
383.6203, 449.0044

■ 31.9891, 34.7966,
44.3970

■ 82.5798, 89.0229,
108.9335

■ 21.5087, 23.5062,
30.6432

107.0443,
115.1647, 139.5993

■ 13.6109, 14.9677,
20.0711

135.9183,
145.9804, 175.5394

■ 7.9304, 8.7967,
12.2622

169.5671,
181.8543, 217.1725

■ 4.1019, 4.6088,
6.7978

208.3560,
223.1709, 264.9169

■ 1.7599, 2.0196,
3.2594

252.6504,

■ 0.4934, 0.6188,

270.3145, 319.1914

1.2286

302.8157,
323.6695, 380.4144

■ 0.0000, 0.0000,
0.0022

■ 0.0000, 0.0000,
0.0000

■ 45.4175, 49.2232,
61.7509

■ 45.4175, 49.2232,
61.7509

■ 39.7976, 43.9682,
61.0336

■ 51.7848, 54.9927,
62.5297

■ 34.8900, 39.2039,
60.3726

■ 58.9241, 61.2875,
63.3685

■ 30.6630, 34.9133,
59.7672

■ 66.8642, 68.1255,
64.2698

■ 27.0807, 31.0758,
59.2153

■ 75.6310, 75.5218,
65.2354

■ 24.1038, 27.6691,
58.7147

■ 79.1146, 80.3284,
65.9796

■ 21.6879, 24.6683,
58.2628

■ 81.2342, 84.5676,
66.6861

■ 19.7823, 22.0450,
57.8569

■ 83.4463, 88.9917,
67.4234

■ 18.3254, 19.7652,
57.4936

■ 85.7520, 93.6032,
68.1920

■ 17.6526, 18.6245,
57.3089

■ 87.4255, 96.9502,
68.7499

Harmonies

Analogous

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



44.2781, 49.2232, 58.4917



45.4175, 49.2232, 61.7509



46.9463, 49.2232, 62.7858

Triad

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



45.4175, 49.2232, 61.7509



49.8927, 49.2232, 53.1361



45.1448, 49.2232, 46.6108

Complementary

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



45.4175, 49.2232, 61.7509



47.8985, 48.6755, 45.3998

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.



46.6244, 49.2232, 45.3492



45.4175, 49.2232, 61.7509



49.3852, 49.2232, 48.9808

Square

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



45.4175, 49.2232, 61.7509



49.5522, 49.2232, 57.6495



48.1800, 49.2232, 46.1921



44.1231, 49.2232, 49.7365

Rectangle

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



45.4175, 49.2232, 61.7509



47.9867, 49.2232, 62.0299



48.1800, 49.2232, 46.1921



45.6039, 49.2232, 45.9629

Sweetspot

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



45.4189, 49.2252, 61.7520



90.1748, 95.6733, 108.3218



45.8554, 53.3297, 51.9353



19.1102, 20.3075, 23.1625



0.0000, 0.0000, 0.0000



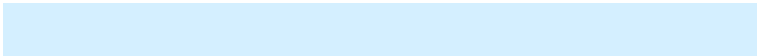
20.3446, 21.4041, 23.3091

Same Dimension

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



45.4189, 49.2252, 61.7520



75.8386, 82.6410, 106.5619



42.5249, 43.4371, 60.7873



10.5958, 11.3656, 13.5528



11.3126, 12.0192, 36.4681



0.6039, 0.7056, 1.7495

Inverse Universe

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



47.5688, 45.0804, 54.3406



80.2112, 74.3782, 91.4502



50.9410, 54.7606, 46.4140



10.9060, 10.7458, 12.4882



17.5094, 8.7533, 13.1584



0.8635, 0.4282, 0.8044

Previews

White Background



This preview shows how the XYZ color 45.4175, 49.2232, 61.7509 looks on a white background.

Color Contrast Check

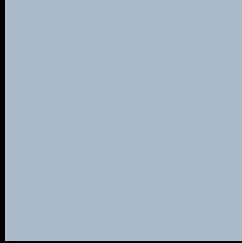
Large Text (above 18pt) WCAG AA × Fail

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 45.4175, 49.2232, 61.7509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

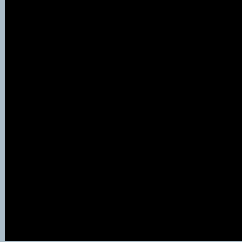
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

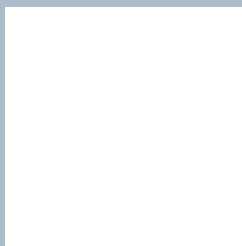
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4175, 49.2232, 61.7509

Background



This preview shows how black text looks on a background with the XYZ color 45.4175, 49.2232, 61.7509.

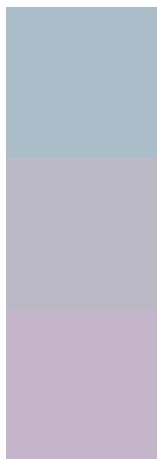


This preview shows how white text looks on a background with the XYZ color 45.4175, 49.2232,

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

45.4175, 49.2232, 61.7509

Protanopia

47.6767, 49.1682, 59.8009

Deuteranopia

50.2105, 49.1823, 62.7239



Tritanopia

45.7760, 49.0489, 63.5546

Trichromacy



Original Color

45.4175, 49.2232, 61.7509

Protanomaly

46.8080, 49.0188, 60.4206

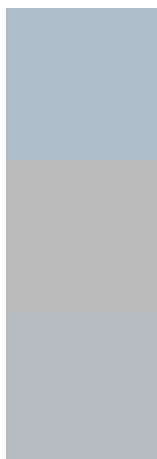
Deuteranomaly

48.4221, 49.1894, 62.2007

Tritanomaly

45.6571, 49.0014, 62.9289

Monochromacy



Original Color

45.4175, 49.2232, 61.7509

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.6756, 48.5388, 55.6768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4175, 49.2232, 61.7509 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(171, 189, 200)` looks like.

```
.text, #text, p{  
    color:rgb(171, 189, 200)  
}
```

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(171, 189, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 189, 200) }
```

Border

The CSS property to change the border of an element to XYZ 45.4175, 49.2232, 61.7509 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(171, 189, 200) }
```


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

```
.border{ border-color:rgb(171, 189, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 189, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 189, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 189, 200);  
box-shadow:4px 4px 4px 4px rgb(171, 189,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4175, 49.2232, 61.7509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 189, 200) }
```

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

```
.background{ background-color: rgb(171,  
189, 200) }
```

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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