

Converting Colors

XYZ(46.6771, 49.7064, 55.1077)

Have a look what the booklet for
XYZ(46.6771, 49.7064, 55.1077)
contains.

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Color

**XYZ(46.6970, 49.7078,
55.2775)**

Conversions

Conversions Part 1

Format	Color
Hex	B7BCBD
RGB	183, 188, 189
RGB Percent	72%, 74%, 74%
CMY	0.2823, 0.2627, 0.2588
CMYK	0.03, 0.01, 0.00, 0.26
HSL	190°, 4%, 73%
HSV	190°, 3%, 74%
XYZ	46.6970, 49.7078, 55.2775
YIQ	186.6190, -3.3010, -0.7490

Conversions

Conversions Part 2

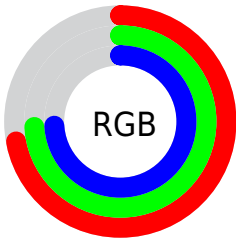
Format	Color
RYB	183, 186, 189
Decimal	12041405
CIELab	75.89, -1.54, -1.12
CIELCh	76, 1.903, 215.994
Yxy	49.7078, 0.3079, 0.3277
Android (android.graphics.Color)	4290231485 (0xFFB7BCBD)
YUV	186.6190, 1.1738, -3.1739
Hunter-Lab	70.5038, -5.1551, 2.8671




Details

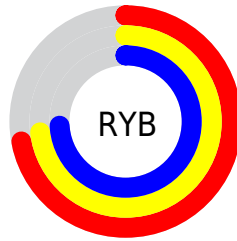
The XYZ color **46.6970, 49.7078, 55.2775** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.6743, 48.5184, 51.7056**, and the grayscale version is **47.0156, 49.4641, 53.8664**.




A 20% lighter version of the original color is **84.4287, 89.6447, 99.2395**, and **22.3138, 23.8513, 26.7203** is the 20% darker color. If you saturate the color by 10%, you get **41.8366, 46.2182, 54.8609**, and if you desaturate by 10%, it is **52.1785, 53.5421, 55.7294**.

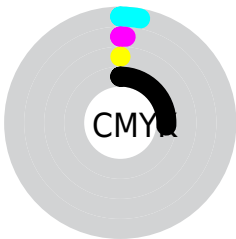
Distribution







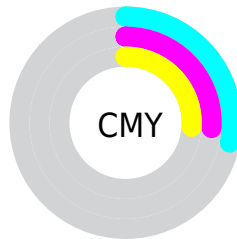
-  Red (72%)
-  Green (74%)
-  Blue (74%)






-  Red (72%)
-  Yellow (73%)
-  Blue (74%)



-  Cyan (3%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (26%)



-  Cyan (28%)
-  Magenta (26%)
-  Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6970, 49.7078, 55.2775 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 46.6970, 49.7078, 55.2775 by changing the saturation by 10% instead.

■ 46.6970, 49.7078,
55.2775

■ 46.6970, 49.7078,
55.2775

364.2729,
385.5222, 424.2745

■ 33.0031, 35.1813,
39.2238

■ 84.4827, 89.7418,
99.4226

■ 22.2881, 23.8026,
26.6247

109.3052,
116.0180, 128.3512

■ 14.1865, 15.1872,
17.0616

138.5679,
146.9797, 162.4085

■ 8.3331, 8.9509,
10.1160

172.6363,
183.0111, 202.0130

■ 4.3624, 4.7092,
5.3693

211.8756,
224.4966, 247.5834

■ 1.9091, 2.0776,
2.4031

256.6512,

■ 0.5821, 0.6520,

271.8207, 299.5380

0.7881

307.3286,
325.3678, 358.2956

■ 0.0000, 0.0000,
0.0000

■ 46.6970, 49.7078,
55.2775

■ 46.6970, 49.7078,
55.2775

■ 41.8366, 46.2182,
54.8609

■ 52.1785, 53.5421,
55.7294

■ 37.5691, 43.0544,
54.4751

■ 58.2996, 57.7264,
56.2145

■ 33.8704, 40.2052,
54.1201

■ 65.0830, 62.2743,
56.7348

■ 30.7129, 37.6564,
53.7946

■ 71.2117, 66.5066,
57.2287

■ 28.0670, 35.3924,
53.4970

■ 71.9494, 67.9820,
57.4746

■ 25.8999, 33.3962,
53.2259

■ 72.7021, 69.4875,
57.7255

■ 24.1749, 31.6488,
52.9796

■ 73.4700, 71.0233,
57.9815

■ 22.8501, 30.1283,
52.7559

■ 74.2531, 72.5895,
58.2425

■ 21.8748, 28.8087,
52.5526

■ 75.0516, 74.1864,
58.5086

Harmonies

Analogous

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



46.5718, 49.7078, 54.3272



46.6970, 49.7078, 55.2775



46.9693, 49.7078, 55.9244

Triad

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



46.6970, 49.7078, 55.2775



47.8705, 49.7078, 54.9206



47.1747, 49.7078, 52.2070

Complementary

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



46.6970, 49.7078, 55.2775



46.6743, 48.5184, 51.7056

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.



47.5233, 49.7078, 52.3614



46.6970, 49.7078, 55.2775



47.9262, 49.7078, 53.9200

Square

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



46.6970, 49.7078, 55.2775



47.6471, 49.7078, 55.7165



47.7988, 49.7078, 52.9854



46.8467, 49.7078, 52.5609

Rectangle

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



46.6970, 49.7078, 55.2775



47.1982, 49.7078, 56.0920



47.7988, 49.7078, 52.9854



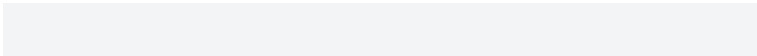
47.2934, 49.7078, 52.2013

Sweetspot

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



46.6984, 49.7099, 55.2786



85.6589, 90.4582, 99.1717



46.3681, 49.9198, 52.4850



18.4312, 19.4601, 21.3273



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



46.6984, 49.7099, 55.2786



82.8168, 88.4485, 98.9336



46.0845, 48.4821, 55.0740



10.1811, 10.8982, 12.2392



14.4077, 18.9271, 35.2868



0.6008, 0.8143, 1.3944

Inverse Universe

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



46.9980, 48.3177, 54.4285



83.5008, 85.2793, 96.9904



47.2834, 49.7368, 51.9087



10.2783, 10.4491, 11.9630



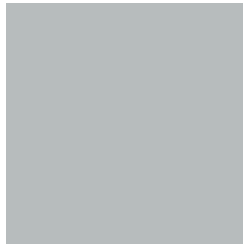
18.2731, 8.9404, 22.5296



0.7342, 0.3576, 0.9794

Previews

White Background



This preview shows how the XYZ color 46.6970, 49.7078, 55.2775 looks on a white background.

Color Contrast Check

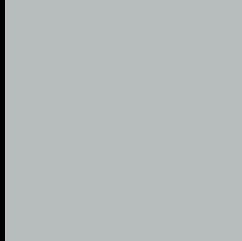
Large Text (above 18pt) WCAG AA × Fail

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 46.6970, 49.7078, 55.2775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

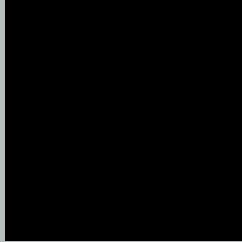
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

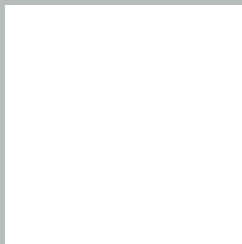
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6970, 49.7078, 55.2775

Background



This preview shows how black text looks on a background with the XYZ color 46.6970, 49.7078, 55.2775.

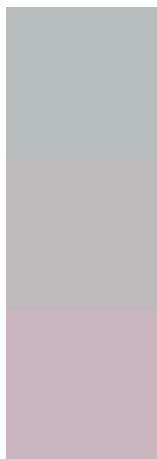


This preview shows how white text looks on a background with the XYZ color 46.6970, 49.7078,

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

46.6970, 49.7078, 55.2775

Protanopia

47.8712, 49.6958, 54.6461

Deuteranopia

50.4467, 49.4620, 55.6035



Tritanopia

48.1091, 49.6491, 62.3060

Trichromacy



Original Color

46.6970, 49.7078, 55.2775

Protanomaly

47.3409, 49.7363, 54.6819

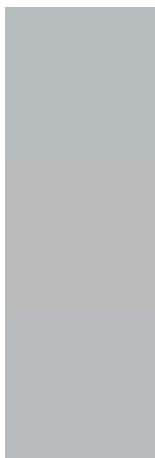
Deuteranomaly

49.1997, 49.7344, 55.7218

Tritanomaly

47.6155, 49.7622, 59.9188

Monochromacy



Original Color

46.6970, 49.7078, 55.2775

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.0971, 49.6106, 54.6705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6970, 49.7078, 55.2775 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(183, 188, 189)` looks like.

```
.text, #text, p{  
    color:rgb(183, 188, 189)  
}
```

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(183, 188, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 188, 189) }
```

Border

The CSS property to change the border of an element to XYZ 46.6970, 49.7078, 55.2775 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(183, 188, 189) }
```


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

```
.border{ border-color:rgb(183, 188, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 188, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 188, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 188, 189);  
box-shadow:4px 4px 4px 4px rgb(183, 188,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6970, 49.7078, 55.2775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 188, 189) }
```

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

```
.background{ background-color: rgb(183,  
188, 189) }
```

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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