

Converting Colors

XYZ(49.6998, 52.4675, 62.5337)

Have a look what the booklet for
XYZ(49.6998, 52.4675, 62.5337)
contains.

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Color

**XYZ(49.6420, 52.3554,
62.7475)**

Conversions

Conversions Part 1

Format	Color
Hex	BAC0C9
RGB	186, 192, 201
RGB Percent	73%, 75%, 79%
CMY	0.2706, 0.2470, 0.2118
CMYK	0.07, 0.04, 0.00, 0.21
HSL	216°, 12%, 76%
HSV	216°, 7%, 79%
XYZ	49.6420, 52.3554, 62.7475
YIQ	191.2320, -6.4650, 1.5270

Conversions

Conversions Part 2

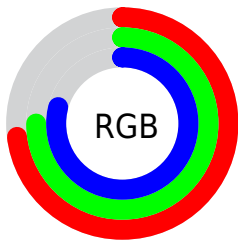
Format	Color
R _Y B	186, 190, 201
Decimal	12239049
CIE Lab	77.49, -0.32, -5.24
CIE LCh	77, 5.249, 266.452
Yxy	52.3554, 0.3013, 0.3178
Android (android.graphics.Color)	4290429129 (0xFFBAC0C9)
YUV	191.2320, 4.8156, -4.5885
Hunter-Lab	72.3570, -4.1613, -0.7659

Details

The XYZ color **49.6420, 52.3554, 62.7475** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.4657, 54.9927, 54.3049**, and the grayscale version is **49.6327, 52.2175, 56.8649**.

A 20% lighter version of the original color is **88.2354, 93.2320, 107.9528**, and **24.1719, 25.5584, 31.2630** is the 20% darker color. If you saturate the color by 10%, you get **42.5588, 44.9349, 61.6893**, and if you desaturate by 10%, it is **57.6321, 60.5682, 63.9124**.

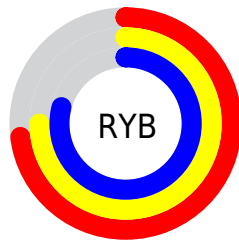
Distribution



Red (73%)

Green (75%)

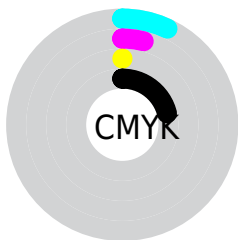
Blue (79%)



Red (73%)

Yellow (75%)

Blue (79%)

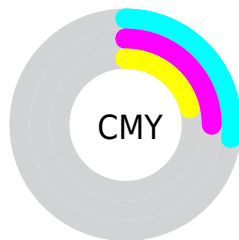


Cyan (7%)

Magenta (4%)

Yellow (0%)

Black (21%)



Cyan (27%)

Magenta (25%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6420, 52.3554, 62.7475 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 49.6420, 52.3554, 62.7475 by changing the saturation by 10% instead.

■ 49.6420, 52.3554,
62.7475

■ 49.6420, 52.3554,
62.7475

375.7395,
395.8071, 452.7352

■ 35.3457, 37.2884,
45.1973

■ 88.8392, 93.6552,
110.3872

■ 24.0970, 25.4309,
31.2688

114.4708,
120.6568, 141.3138

■ 15.5307, 16.3984,
20.5434

144.6115,
152.4054, 177.5362

■ 9.2814, 9.8065,
12.6027

179.6267,
189.2853, 219.4730

■ 4.9838, 5.2708,
7.0280

219.8818,
231.6811, 267.5428

■ 2.2724, 2.4070,
3.4009

265.7420,

■ 0.7805, 0.8295,

279.9771, 322.1641

1.3028

317.5728,
334.5576, 383.7554

■ 0.0000, 0.0000,
0.0641

■ 0.0000, 0.0000,
0.0000

■ 49.6420, 52.3554,
62.7475

■ 49.6420, 52.3554,
62.7475

■ 42.5588, 44.9349,
61.6893

■ 57.6321, 60.5682,
63.9124

■ 36.3441, 38.2750,
60.7314

■ 66.5562, 69.5905,
65.1835

■ 30.9637, 32.3515,
59.8716

■ 76.4463, 79.4473,
66.5648

■ 26.3790, 27.1362,
59.1066

■ 83.0108, 87.9332,
67.8568

■ 22.5483, 22.5990,
58.4327

■ 86.6834, 95.2784,
69.0810

■ 19.4256, 18.7071,
57.8461

■ 87.5428, 96.9971,
69.3674

■ 16.9596, 15.4245,
57.3425

■ 15.0907, 12.7105,
56.9171

■ 13.7379, 10.5126,
56.5642

Harmonies

Analogous

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



48.6953, 52.3554, 61.7749



49.6420, 52.3554, 62.7475



50.6335, 52.3554, 62.1392

Triad

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



49.6420, 52.3554, 62.7475



51.5237, 52.3554, 54.5610



48.1590, 52.3554, 53.9834

Complementary

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



49.6420, 52.3554, 62.7475



52.4657, 54.9927, 54.3049

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.



48.9010, 52.3554, 52.1638



49.6420, 52.3554, 62.7475



50.8447, 52.3554, 52.4893

Square

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



49.6420, 52.3554, 62.7475



51.7285, 52.3554, 57.3515



49.8827, 52.3554, 51.6261



47.8464, 52.3554, 56.6622

Rectangle

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



49.6420, 52.3554, 62.7475



51.1851, 52.3554, 60.9300



49.8827, 52.3554, 51.6261



48.3660, 52.3554, 53.2545

Sweetspot

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



49.6435, 52.3576, 62.7487



92.2304, 97.1092, 108.4906



50.9594, 56.1421, 59.6333



19.7707, 20.8157, 23.2258



0.0000, 0.0000, 0.0000



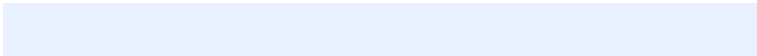
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6435, 52.3576, 62.7487



82.8696, 87.4334, 107.1164



48.6573, 49.9323, 62.3325



10.3992, 10.9725, 13.4873



8.5368, 6.4676, 35.5428



0.4748, 0.4474, 1.7065

Inverse Universe

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



51.1620, 51.3423, 57.0852



86.0229, 85.3662, 95.3459



53.5031, 57.5643, 54.7466



10.8068, 10.7061, 11.9658



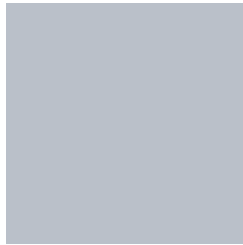
16.1083, 8.1929, 5.7804



0.7983, 0.4022, 0.4613

Previews

White Background



This preview shows how the XYZ color 49.6420, 52.3554, 62.7475 looks on a white background.

Color Contrast Check

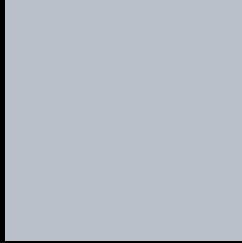
Large Text (above 18pt) WCAG AA × Fail

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 49.6420, 52.3554, 62.7475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

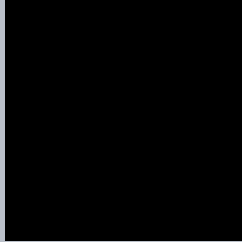
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

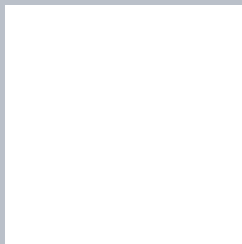
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6420, 52.3554, 62.7475

Background



This preview shows how black text looks on a background with the XYZ color 49.6420, 52.3554, 62.7475.



This preview shows how white text looks on a background with the XYZ color 49.6420, 52.3554,

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

49.6420, 52.3554, 62.7475

Protanopia

50.5770, 52.2035, 62.0542

Deuteranopia

53.3964, 52.3612, 63.1695



Tritanopia

50.2649, 52.2826, 65.8348

Trichromacy



Original Color

49.6420, 52.3554, 62.7475

Protanomaly

50.2913, 52.3789, 62.1031

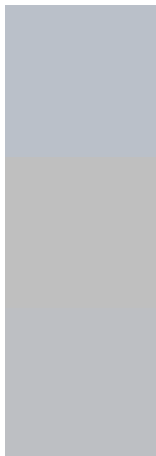
Deuteranomaly

51.9326, 52.2365, 63.2226

Tritanomaly

50.0234, 52.1860, 64.5631

Monochromacy



Original Color

49.6420, 52.3554, 62.7475

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.4674, 52.0206, 59.0635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6420, 52.3554, 62.7475 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(186, 192, 201)` looks like.

```
.text, #text, p{  
    color:rgb(186, 192, 201)  
}
```

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(186, 192, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 192, 201) }
```

Border

The CSS property to change the border of an element to XYZ 49.6420, 52.3554, 62.7475 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(186, 192, 201) }
```


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

```
.border{ border-color:rgb(186, 192, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 192, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 192, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 192, 201);  
box-shadow:4px 4px 4px 4px rgb(186, 192,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6420, 52.3554, 62.7475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 192, 201) }
```

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

```
.background{ background-color: rgb(186,  
192, 201) }
```

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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