

Converting Colors

XYZ(45.3204, 48.8414, 62.2970)

Have a look what the booklet for
XYZ(45.3204, 48.8414, 62.2970)
contains.

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Color

**XYZ(45.3204, 48.8414,
62.2970)**

Conversions

Conversions Part 1

Format	Color
Hex	ABBCC9
RGB	171, 188, 201
RGB Percent	67%, 74%, 79%
CMY	0.3294, 0.2627, 0.2118
CMYK	0.15, 0.06, 0.00, 0.21
HSL	206°, 22%, 73%
HSV	206°, 15%, 79%
XYZ	45.3204, 48.8414, 62.2970
YIQ	184.3990, -14.3050, 0.4390

Conversions

Conversions Part 2

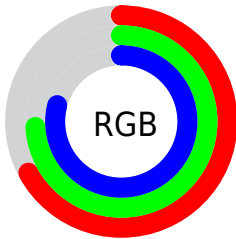
Format	Color
R _Y B	171, 182, 201
Decimal	11254985
CIE Lab	75.35, -3.14, -8.53
CIE LCh	75, 9.090, 249.789
Yxy	48.8414, 0.2897, 0.3122
Android (android.graphics.Color)	4289445065 (0xFFABBCC9)
YUV	184.3990, 8.1843, -11.7509
Hunter-Lab	69.8866, -6.5471, -3.9305

Details

The XYZ color **45.3204, 48.8414, 62.2970** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.5789, 49.6386, 45.5498**, and the grayscale version is **45.7435, 48.1258, 52.4089**.

A 20% lighter version of the original color is **82.0792, 88.2523, 107.3161**, and **21.5382, 23.3565, 30.9768** is the 20% darker color. If you saturate the color by 10%, you get **39.4665, 43.1459, 61.5070**, and if you desaturate by 10%, it is **51.9553, 55.1087, 63.1578**.

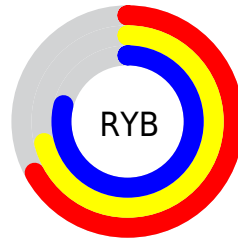
Distribution



Red (67%)

Green (74%)

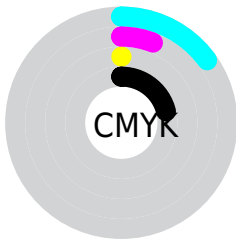
Blue (79%)



Red (67%)

Yellow (71%)

Blue (79%)

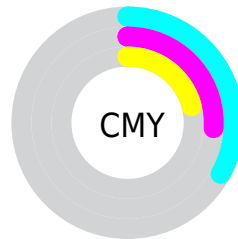


Cyan (15%)

Magenta (6%)

Yellow (0%)

Black (21%)



Cyan (33%)

Magenta (26%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3204, 48.8414, 62.2970 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 45.3204, 48.8414, 62.2970 by changing the saturation by 10% instead.

■ 45.3204, 48.8414,
62.2970

■ 45.3204, 48.8414,
62.2970

358.8315,
382.1176, 451.0511

■ 31.9122, 34.4937,
44.8354

■ 82.4351, 88.4559,
109.7304

■ 21.4497, 23.2731,
30.9858

106.8723,
114.4914, 140.5393

■ 13.5674, 14.7953,
20.3296

135.7166,
145.1916, 176.6344

■ 7.9001, 8.6759,
12.4484

169.3334,
180.9410, 218.4341

■ 4.0824, 4.5304,
6.9236

208.0879,
222.1239, 266.3572

■ 1.7488, 1.9744,
3.3367

252.3455,

■ 0.4865, 0.5926,

269.1247, 320.8220

1.2690

302.4716,
322.3278, 382.2471

■ 0.0000, 0.0000,
0.0362

■ 0.0000, 0.0000,
0.0000

■ 45.3204, 48.8414,
62.2970

■ 45.3204, 48.8414,
62.2970

■ 39.4665, 43.1459,
61.5070

■ 51.9553, 55.1087,
63.1578

■ 34.3572, 37.9968,
60.7824

■ 59.3968, 61.9601,
64.0880

■ 29.9599, 33.3754,
60.1221

■ 67.6746, 69.4148,
65.0907

■ 26.2372, 29.2595,
59.5239

■ 76.8158, 77.4896,
66.1674

■ 23.1483, 25.6248,
58.9851

■ 80.5116, 82.9349,
67.0237

■ 20.6476, 22.4446,
58.5031

■ 83.0177, 87.9469,
67.8590

■ 18.6823, 19.6883,
58.0746

■ 85.6468, 93.2051,
68.7354

■ 17.1887, 17.3195,
57.6961

■ 87.5428, 96.9971,
69.3674

■ 16.5508, 16.2333,
57.5201

Harmonies

Analogous

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



43.9954, 48.8414, 59.2928



45.3204, 48.8414, 62.2970



46.9710, 48.8414, 62.7793

Triad

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



45.3204, 48.8414, 62.2970



49.6631, 48.8414, 51.6298



44.3951, 48.8414, 46.4140

Complementary

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



45.3204, 48.8414, 62.2970



48.5789, 49.6386, 45.5498

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.



45.8778, 48.8414, 44.6127



45.3204, 48.8414, 62.2970



48.9368, 48.8414, 47.5025

Square

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



45.3204, 48.8414, 62.2970



49.5052, 48.8414, 56.4248



47.5419, 48.8414, 44.9989



43.4701, 48.8414, 50.0620

Rectangle

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



45.3204, 48.8414, 62.2970



48.0379, 48.8414, 61.5778



47.5419, 48.8414, 44.9989



44.8433, 48.8414, 45.5827

Sweetspot

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



45.3218, 48.8434, 62.2981



90.0028, 95.3293, 108.2645



46.2815, 53.8718, 53.0330



19.0666, 20.2204, 23.1479



0.0000, 0.0000, 0.0000



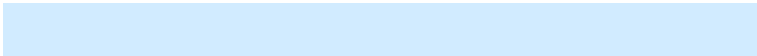
20.3446, 21.4041, 23.3091

Same Dimension

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



45.3218, 48.8434, 62.2981



74.1138, 80.2718, 106.1955



42.3777, 42.9552, 61.3167



10.5471, 11.2683, 13.5366



10.4989, 10.3917, 36.1968



0.5682, 0.6341, 1.7376

Inverse Universe

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



47.7285, 45.1752, 53.7834



79.0769, 72.9148, 88.5898



51.7474, 55.9757, 46.6060



10.8814, 10.7360, 12.3589



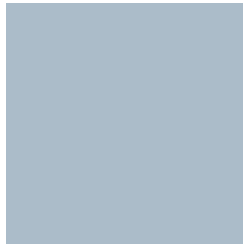
17.0987, 8.5890, 10.9955



0.8455, 0.4210, 0.7095

Previews

White Background



This preview shows how the XYZ color 45.3204, 48.8414, 62.2970 looks on a white background.

Color Contrast Check

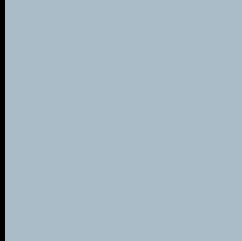
Large Text (above 18pt) WCAG AA × Fail

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 45.3204, 48.8414, 62.2970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

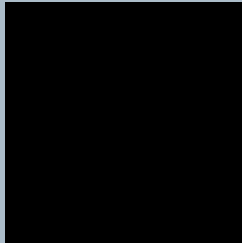
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

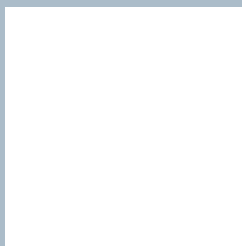
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3204, 48.8414, 62.2970

Background



This preview shows how black text looks on a background with the XYZ color 45.3204, 48.8414, 62.2970.



This preview shows how white text looks on a background with the XYZ color 45.3204, 48.8414,

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

45.3204, 48.8414, 62.2970

Protanopia

47.4569, 48.7188, 60.9353

Deuteranopia

49.6064, 48.5564, 63.2577



Tritanopia

45.5573, 48.9362, 63.5444

Trichromacy



Original Color

45.3204, 48.8414, 62.2970

Protanomaly

46.5967, 48.5714, 61.5629

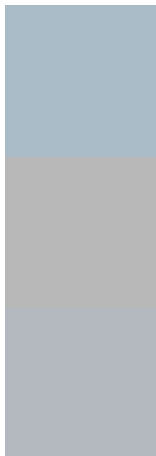
Deuteranomaly

47.8439, 48.5703, 62.7305

Tritanomaly

45.4385, 48.8886, 62.9187

Monochromacy



Original Color

45.3204, 48.8414, 62.2970

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.2336, 47.9993, 55.5959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3204, 48.8414, 62.2970 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, 188, 201)` looks like.

```
.text, #text, p{  
    color:rgb(171, 188, 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(171, 188, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 188, 201) }
```

Border

The CSS property to change the border of an element to XYZ 45.3204, 48.8414, 62.2970 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, 188, 201) }
```


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

```
.border{ border-color:rgb(171, 188, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 188, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 188, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 188, 201);  
box-shadow:4px 4px 4px 4px rgb(171, 188,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3204, 48.8414, 62.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 188, 201) }
```

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

```
.background{ background-color: rgb(171,  
188, 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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