

Converting Colors

XYZ(42.2065, 44.7920, 59.4357)

Have a look what the booklet for
XYZ(42.2065, 44.7920, 59.4357)
contains.

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Color

**XYZ(42.1252, 44.7807,
59.2466)**

Conversions

Conversions Part 1

Format	Color
Hex	A6B4C5
RGB	166, 180, 197
RGB Percent	65%, 71%, 77%
CMY	0.3490, 0.2941, 0.2274
CMYK	0.16, 0.09, 0.00, 0.23
HSL	213°, 21%, 71%
HSV	213°, 16%, 77%
XYZ	42.1252, 44.7807, 59.2466
YIQ	177.7520, -13.8010, 2.3190

Conversions

Conversions Part 2

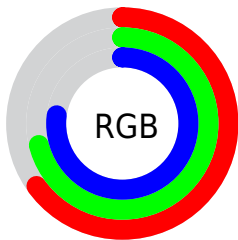
Format	Color
R _Y B	166, 176, 197
Decimal	10925253
CIE Lab	72.75, -1.32, -10.27
CIE LCh	73, 10.351, 262.700
Yxy	44.7807, 0.2882, 0.3064
Android (android.graphics.Color)	4289115333 (0xFFA6B4C5)
YUV	177.7520, 9.4893, -10.3065
Hunter-Lab	66.9184, -4.7412, -5.6499

Details

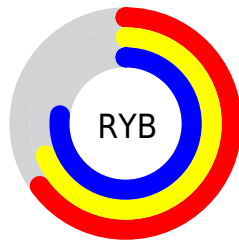
The XYZ color **42.1252, 44.7807, 59.2466** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.8428, 48.4905, 42.9681**, and the grayscale version is **42.1436, 44.3384, 48.2845**.

A 20% lighter version of the original color is **77.7036, 82.5188, 105.5982**, and **19.4867, 20.7393, 28.9626** is the 20% darker color. If you saturate the color by 10%, you get **36.2116, 38.6211, 58.3701**, and if you desaturate by 10%, it is **48.8441, 51.6100, 60.2114**.

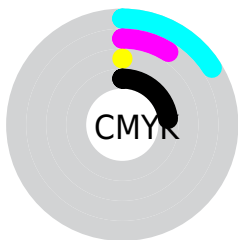
Distribution



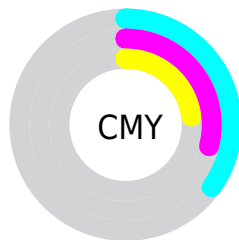
- Red (65%)
- Green (71%)
- Blue (77%)



- Red (65%)
- Yellow (69%)
- Blue (77%)



- Cyan (16%)
- Magenta (9%)
- Yellow (0%)
- Black (23%)



- Cyan (35%)
- Magenta (29%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1252, 44.7807, 59.2466 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 42.1252, 44.7807, 59.2466 by changing the saturation by 10% instead.

■ 42.1252, 44.7807,
59.2466

■ 42.1252, 44.7807,
59.2466

345.9845,
365.8847, 439.5425

■ 29.3909, 31.2847,
42.3903

■ 77.6531, 82.3912,
105.2686

■ 19.5225, 20.8158,
29.0792

■ 101.1773,
107.2746, 135.2715

■ 12.1547, 12.9894,
18.8947

129.0289,
136.7225, 170.4936

■ 6.9220, 7.4212,
11.4181

161.5732,
171.1194, 211.3536

■ 3.4593, 3.7269,
6.2311

199.1755,
210.8497, 258.2699

■ 1.4010, 1.5220,
2.9151

242.2013,

■ 0.2570, 0.3041,

256.2977, 311.6611

1.0514

291.0158,
307.8479, 371.9458

■ 0.0000, 0.0000,
0.0000

■ 42.1252, 44.7807,
59.2466

■ 42.1252, 44.7807,
59.2466

■ 36.2116, 38.6211,
58.3701

■ 48.8441, 51.6100,
60.2114

■ 31.0666, 33.1032,
57.5762

■ 56.3947, 59.1249,
61.2639

■ 26.6567, 28.2049,
56.8631

■ 64.8075, 67.3473,
62.4076

■ 22.9442, 23.9006,
56.2280

■ 74.1097, 76.2967,
63.6447

■ 19.8876, 20.1626,
55.6676

■ 80.7448, 84.1446,
64.8098

■ 17.4404, 16.9602,
55.1784

■ 83.9147, 90.4844,
65.8665

■ 15.5495, 14.2590,
54.7567

■ 87.0782, 96.8113,
66.9209

■ 14.1495, 12.0179,
54.3979

■ 13.6491, 11.1730,
54.2612

Harmonies

Analogous

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



40.5031, 44.7807, 57.0609



42.1252, 44.7807, 59.2466



43.9100, 44.7807, 58.4686

Triad

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



42.1252, 44.7807, 59.2466



45.8303, 44.7807, 45.0389



39.8731, 44.7807, 43.0048

Complementary

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



42.1252, 44.7807, 59.2466



46.8428, 48.4905, 42.9681

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.



41.2433, 44.7807, 40.1879



42.1252, 44.7807, 59.2466



44.6909, 44.7807, 41.3034

Square

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



42.1252, 44.7807, 59.2466



46.0825, 44.7807, 50.0267



43.0032, 44.7807, 39.5876



39.2268, 44.7807, 47.5120

Rectangle

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



42.1252, 44.7807, 59.2466



44.9490, 44.7807, 56.3980



43.0032, 44.7807, 39.5876



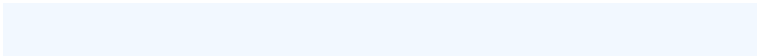
40.2624, 44.7807, 41.8421

Sweetspot

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



42.1265, 44.7826, 59.2476



88.3240, 93.2818, 107.9578



44.1917, 51.4398, 52.1461



18.7093, 19.7695, 23.0798



0.0000, 0.0000, 0.0000



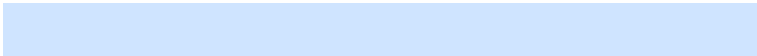
20.3446, 21.4041, 23.3091

Same Dimension

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



42.1265, 44.7826, 59.2476



71.5195, 76.1466, 105.5360



39.6586, 39.5238, 58.3626



10.4446, 11.0633, 13.5024



9.0586, 7.5110, 35.7167



0.5010, 0.4998, 1.7152

Inverse Universe

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



44.9015, 42.4391, 49.0071



77.5079, 71.2935, 83.3910



49.6062, 54.4177, 43.9666



10.8297, 10.7153, 12.0864



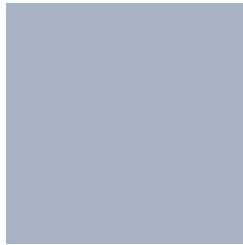
16.3717, 8.2982, 7.1671



0.8116, 0.4075, 0.5310

Previews

White Background



This preview shows how the XYZ color 42.1252, 44.7807, 59.2466 looks on a white background.

Color Contrast Check

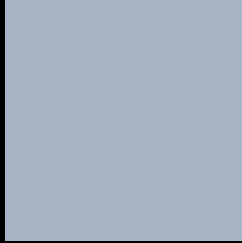
Large Text (above 18pt) WCAG AA × Fail

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 42.1252, 44.7807, 59.2466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

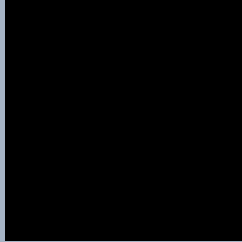
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1252, 44.7807, 59.2466

Background



This preview shows how black text looks on a background with the XYZ color 42.1252, 44.7807, 59.2466.



This preview shows how white text looks on a background with the XYZ color 42.1252, 44.7807,

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

42.1252, 44.7807, 59.2466

Protanopia

43.4770, 44.6145, 57.9497

Deuteranopia

45.5788, 44.7884, 59.6688



Tritanopia

41.8975, 44.6896, 58.0475

Trichromacy



Original Color

42.1252, 44.7807, 59.2466

Protanomaly

42.8975, 44.5970, 58.5717

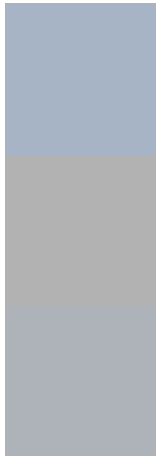
Deuteranomaly

44.3088, 44.7116, 59.7210

Tritanomaly

42.0109, 44.7350, 58.6451

Monochromacy



Original Color

42.1252, 44.7807, 59.2466

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.3326, 44.7417, 52.3038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1252, 44.7807, 59.2466 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(166, 180, 197)` looks like.

```
.text, #text, p{  
    color:rgb(166, 180, 197)  
}
```

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(166, 180, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 180, 197) }
```

Border

The CSS property to change the border of an element to XYZ 42.1252, 44.7807, 59.2466 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(166, 180, 197) }
```


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

```
.border{ border-color:rgb(166, 180, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 180, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 180, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 180, 197);  
box-shadow:4px 4px 4px 4px rgb(166, 180,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1252, 44.7807, 59.2466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 180, 197) }
```

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

```
.background{ background-color: rgb(166,  
180, 197) }
```

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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