

Converting Colors

XYZ(42.1262, 44.3795, 63.8453)

Have a look what the booklet for
XYZ(42.1262, 44.3795, 63.8453)
contains.

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Color

**XYZ(42.2438, 44.4345,
64.1078)**

Conversions

Conversions Part 1

Format	Color
Hex	A3B3CD
RGB	163, 179, 205
RGB Percent	64%, 70%, 80%
CMY	0.3608, 0.2980, 0.1961
CMYK	0.20, 0.13, 0.00, 0.20
HSL	217°, 30%, 72%
HSV	217°, 20%, 80%
XYZ	42.2438, 44.4345, 64.1078
YIQ	177.1800, -17.8820, 4.6940

Conversions

Conversions Part 2

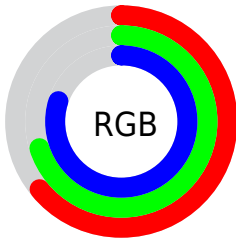
Format	Color
R _{YB}	163, 175, 205
Decimal	10728397
CIE Lab	72.52, 0.03, -15.01
CIE LCh	73, 15.011, 270.117
Yxy	44.4345, 0.2802, 0.2947
Android (android.graphics.Color)	4288918477 (0xFFFA3B3CD)
YUV	177.1800, 13.7153, -12.4359
Hunter-Lab	66.6592, -3.5332, -10.3592

Details

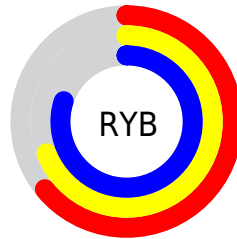
The XYZ color **42.2438, 44.4345, 64.1078** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.9857, 52.0187, 42.0575**, and the grayscale version is **41.8225, 44.0005, 47.9166**.

A 20% lighter version of the original color is **76.6718, 81.5421, 106.3059**, and **19.6023, 20.5356, 32.2088** is the 20% darker color. If you saturate the color by 10%, you get **35.9547, 37.5899, 63.1189**, and if you desaturate by 10%, it is **49.4501, 52.1016, 65.2086**.

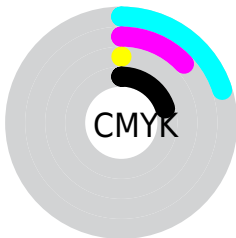
Distribution



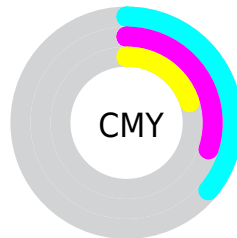
- Red (64%)
- Green (70%)
- Blue (80%)



- Red (64%)
- Yellow (69%)
- Blue (80%)



- Cyan (20%)
- Magenta (13%)
- Yellow (0%)
- Black (20%)



- Cyan (36%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2438, 44.4345, 64.1078 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 42.2438, 44.4345, 64.1078 by changing the saturation by 10% instead.

■ 42.2438, 44.4345,
64.1078

■ 42.2438, 44.4345,
64.1078

346.4670,
364.4784, 457.7970

■ 29.4842, 31.0122,
46.2913

■ 77.8313, 81.8712,
112.3671

■ 19.5935, 20.6082,
32.1254

■ 101.3899,
106.6544, 143.6470

■ 12.2065, 12.8379,
21.1917

129.2789,
135.9933, 180.2517

■ 6.9576, 7.3170,
13.0716

161.8637,
170.2724, 222.5998

■ 3.4817, 3.6611,
7.3465

199.5095,
209.8761, 271.1099

■ 1.4133, 1.4859,
3.5980

242.5818,

■ 0.2657, 0.2788,

255.1887, 326.2004

1.4075

291.4458,
306.5947, 388.2899

■ 0.0000, 0.0000,
0.1476

■ 0.0000, 0.0000,
0.0000

■ 42.2438, 44.4345,
64.1078

■ 42.2438, 44.4345,
64.1078

■ 35.9547, 37.5899,
63.1189

■ 49.4501, 52.1016,
65.2086

■ 30.5396, 31.5330,
62.2352

■ 57.6061, 60.6136,
66.4217

■ 25.9581, 26.2342,
61.4539

■ 66.7476, 69.9987,
67.7514

■ 22.1643, 21.6597,
60.7708

■ 76.9074, 80.2821,
69.2008

■ 19.1078, 17.7728,
60.1817

■ 84.1463, 89.4414,
70.5872

■ 16.7317, 14.5329,
59.6816

■ 88.0196, 97.1878,
71.8783

■ 14.9691, 11.8935,
59.2650

■ 13.7514, 9.8716,
58.9389

Harmonies

Analogous

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



39.7984, 44.4345, 61.8451



42.2438, 44.4345, 64.1078



44.7845, 44.4345, 61.8109

Triad

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



42.2438, 44.4345, 64.1078



46.6939, 44.4345, 41.5662



38.0574, 44.4345, 41.6116

Complementary

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



42.2438, 44.4345, 64.1078



49.9857, 52.0187, 42.0575

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.



39.7815, 44.4345, 37.0536



42.2438, 44.4345, 64.1078



44.7663, 44.4345, 37.0293

Square

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



42.2438, 44.4345, 64.1078



47.4171, 44.4345, 48.3526



42.2235, 44.4345, 35.4637



37.4424, 44.4345, 48.4107

Rectangle

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



42.2438, 44.4345, 64.1078



46.1754, 44.4345, 58.1253



42.2235, 44.4345, 35.4637



38.5229, 44.4345, 39.7926

Sweetspot

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



42.2452, 44.4363, 64.1088



86.6962, 91.3183, 107.6646



46.1109, 55.1198, 56.2970



18.3695, 19.3503, 23.0168



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.



42.2452, 44.4363, 64.1088



64.0366, 67.2045, 104.2044



40.2448, 38.9171, 63.1489



10.9462, 11.5329, 14.2195



8.6459, 6.3157, 36.7196



0.5188, 0.4713, 1.9186

Inverse Universe

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



46.4118, 42.4293, 48.3933



72.2605, 63.5648, 73.1142



52.2891, 58.6009, 43.2066



11.3862, 11.2832, 12.5685



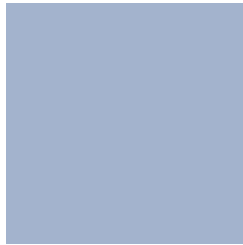
16.5749, 8.4406, 5.4803



0.8918, 0.4501, 0.4760

Previews

White Background



This preview shows how the XYZ color 42.2438, 44.4345, 64.1078 looks on a white background.

Color Contrast Check

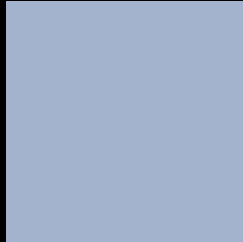
Large Text (above 18pt) WCAG AA × Fail

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 42.2438, 44.4345, 64.1078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

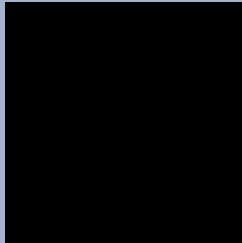
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2438, 44.4345, 64.1078

Background



This preview shows how black text looks on a background with the XYZ color 42.2438, 44.4345, 64.1078.



This preview shows how white text looks on a background with the XYZ color 42.2438, 44.4345,

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

42.2438, 44.4345, 64.1078

Protanopia

43.5384, 44.2467, 62.7457

Deuteranopia

45.1402, 44.1671, 64.5385



Tritanopia

41.0721, 44.5649, 58.0669

Trichromacy



Original Color

42.2438, 44.4345, 64.1078

Protanomaly

42.9834, 44.2389, 63.4002

Deuteranomaly

43.9261, 44.1148, 64.5924

Tritanomaly

41.5304, 44.4474, 60.4232

Monochromacy



Original Color

42.2438, 44.4345, 64.1078

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.9033, 44.1993, 53.3365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2438, 44.4345, 64.1078 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(163, 179, 205)` looks like.

```
.text, #text, p{  
    color:rgb(163, 179, 205)  
}
```

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(163, 179, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 179, 205) }
```

Border

The CSS property to change the border of an element to XYZ 42.2438, 44.4345, 64.1078 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(163, 179, 205) }
```


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

```
.border{ border-color:rgb(163, 179, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 179, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 179, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 179, 205);  
box-shadow:4px 4px 4px 4px rgb(163, 179,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2438, 44.4345, 64.1078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 179, 205) }
```

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

```
.background{ background-color: rgb(163,  
179, 205) }
```

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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