

Converting Colors

XYZ(42.2876, 44.4658, 64.8553)

Have a look what the booklet for
XYZ(42.2876, 44.4658, 64.8553)
contains.

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Color

**XYZ(42.1610, 44.3778,
64.7362)**

Conversions

Conversions Part 1

Format	Color
Hex	A2B3CE
RGB	162, 179, 206
RGB Percent	64%, 70%, 81%
CMY	0.3647, 0.2980, 0.1922
CMYK	0.21, 0.13, 0.00, 0.19
HSL	217°, 31%, 72%
HSV	217°, 21%, 81%
XYZ	42.1610, 44.3778, 64.7362
YIQ	176.9950, -18.7990, 4.7930

Conversions

Conversions Part 2

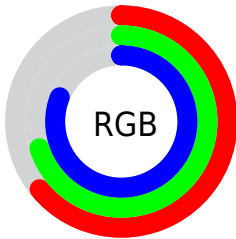
Format	Color
RYB	162, 174, 206
Decimal	10662862
CIELab	72.48, -0.06, -15.62
CIELCh	72, 15.622, 269.793
Yxy	44.3778, 0.2787, 0.2934
Android (android.graphics.Color)	4288852942 (0xFFA2B3CE)
YUV	176.9950, 14.2995, -13.1506
Hunter-Lab	66.6167, -3.6084, -10.9847

Details

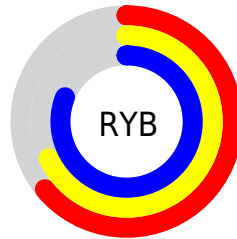
The XYZ color **42.1610, 44.3778, 64.7362** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.1733, 52.1259, 41.6005**, and the grayscale version is **41.7228, 43.8956, 47.8023**.

A 20% lighter version of the original color is **76.3736, 81.3884, 106.2919**, and **19.5588, 20.5037, 32.6325** is the 20% darker color. If you saturate the color by 10%, you get **35.8962, 37.5591, 63.7510**, and if you desaturate by 10%, it is **49.3463, 52.0180, 65.8329**.

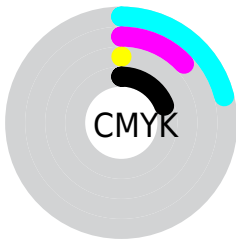
Distribution



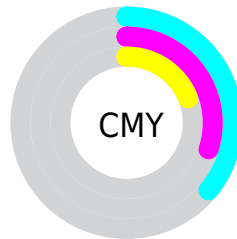
- Red (64%)
- Green (70%)
- Blue (81%)



- Red (64%)
- Yellow (68%)
- Blue (81%)



- Cyan (21%)
- Magenta (13%)
- Yellow (0%)
- Black (19%)



- Cyan (36%)
- Magenta (30%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1610, 44.3778, 64.7362 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 42.1610, 44.3778, 64.7362 by changing the saturation by 10% instead.

■ 42.1610, 44.3778,
64.7362

■ 42.1610, 44.3778,
64.7362

346.1302,
364.2478, 460.1236

■ 29.4190, 30.9676,
46.7972

■ 77.7069, 81.7859,
113.2802

■ 19.5439, 20.5742,
32.5222

■ 101.2415,
106.5527, 144.7222

■ 12.1703, 12.8131,
21.4925

129.1044,
135.8738, 181.5024

■ 6.9328, 7.3000,
13.2898

161.6609,
170.1336, 224.0392

■ 3.4661, 3.6504,
7.4953

199.2764,
209.7165, 272.7511

■ 1.4047, 1.4800,
3.6906

242.3162,

■ 0.2596, 0.2746,

255.0069, 328.0569

1.4572

291.1457,
306.3892, 390.3748

■ 0.0000, 0.0000,
0.1857

■ 0.0000, 0.0000,
0.0000

■ 42.1610, 44.3778,
64.7362

■ 42.1610, 44.3778,
64.7362

■ 35.8962, 37.5591,
63.7510

■ 49.3463, 52.0180,
65.8329

■ 30.5082, 31.5269,
62.8706

■ 57.4850, 60.5022,
67.0416

■ 25.9558, 26.2514,
62.0923

■ 66.6135, 69.8588,
68.3665

■ 22.1925, 21.6986,
61.4119

■ 76.7647, 80.1131,
69.8107

■ 19.1671, 17.8315,
60.8249

■ 84.1938, 89.3425,
71.2006

■ 16.8214, 14.6089,
60.3265

■ 88.0913, 97.1373,
72.4998

■ 15.0869, 11.9837,
59.9112

■ 88.1407, 97.2363,
72.5162

■ 13.9801, 10.1351,
59.6127

Harmonies

Analogous

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



39.6253, 44.3778, 62.3174



42.1610, 44.3778, 64.7362



44.8079, 44.3778, 62.3811

Triad

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



42.1610, 44.3778, 64.7362



46.8397, 44.3778, 41.3132



37.8571, 44.3778, 41.2294

Complementary

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



42.1610, 44.3778, 64.7362



50.1733, 52.1259, 41.6005

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.



39.6565, 44.3778, 36.5484



42.1610, 44.3778, 64.7362



44.8417, 44.3778, 36.5930

Square

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



42.1610, 44.3778, 64.7362



47.5782, 44.3778, 48.3737



42.1985, 44.3778, 34.9438



37.2060, 44.3778, 48.2661

Rectangle

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



42.1610, 44.3778, 64.7362



46.2634, 44.3778, 58.5503



42.1985, 44.3778, 34.9438



38.3438, 44.3778, 39.3565

Sweetspot

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



42.1624, 44.3796, 64.7372



86.7213, 91.3685, 107.6729



46.0929, 55.4730, 56.0823



18.3754, 19.3622, 23.0187



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.



42.1624, 44.3796, 64.7372



63.0892, 66.2550, 104.0711



39.8719, 38.4484, 63.7131



10.9513, 11.5429, 14.2212



8.6960, 6.4160, 36.7364



0.5216, 0.4770, 1.9195

Inverse Universe

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



46.5118, 42.2183, 48.3473



71.5514, 62.3976, 72.1045



52.8428, 59.2529, 42.8354



11.3888, 11.2842, 12.5818



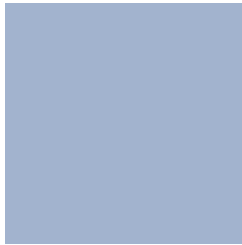
16.6002, 8.4507, 5.6136



0.8932, 0.4507, 0.4837

Previews

White Background



This preview shows how the XYZ color 42.1610, 44.3778, 64.7362 looks on a white background.

Color Contrast Check

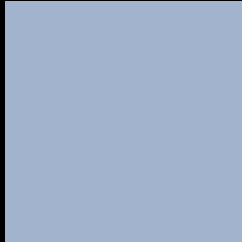
Large Text (above 18pt) WCAG AA × Fail

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 42.1610, 44.3778, 64.7362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

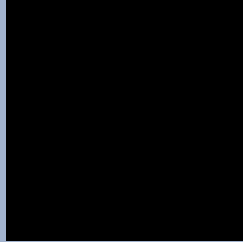
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1610, 44.3778, 64.7362

Background



This preview shows how black text looks on a background with the XYZ color 42.1610, 44.3778, 64.7362.



This preview shows how white text looks on a background with the XYZ color 42.1610, 44.3778,

64.7362.

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

42.1610, 44.3778, 64.7362

Protanopia

43.6580, 44.2945, 63.3754

Deuteranopia

45.0284, 44.0954, 65.1695



Tritanopia

40.8714, 44.4615, 58.0575

Trichromacy



Original Color

42.1610, 44.3778, 64.7362

Protanomaly

43.1038, 44.2871, 64.0341

Deuteranomaly

43.8260, 44.0492, 65.2239

Tritanomaly

41.3280, 44.3431, 60.4137

Monochromacy



Original Color

42.1610, 44.3778, 64.7362

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.0108, 44.2423, 53.9024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1610, 44.3778, 64.7362 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(162, 179, 206)` looks like.

```
.text, #text, p{  
    color:rgb(162, 179, 206)  
}
```

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(162, 179, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 179, 206) }
```

Border

The CSS property to change the border of an element to XYZ 42.1610, 44.3778, 64.7362 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(162, 179, 206) }
```


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

```
.border{ border-color:rgb(162, 179, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 179, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 179, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 179, 206);  
box-shadow:4px 4px 4px 4px rgb(162, 179,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1610, 44.3778, 64.7362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 179, 206) }
```

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

```
.background{ background-color: rgb(162,  
179, 206) }
```

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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