

Converting Colors

XYZ(42.7905, 48.9015, 76.5251)

Have a look what the booklet for
XYZ(42.7905, 48.9015, 76.5251)
contains.

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Color

**XYZ(42.7360, 48.8171,
76.2775)**

Conversions

Conversions Part 1

Format	Color
Hex	8AC1DE
RGB	138, 193, 222
RGB Percent	54%, 76%, 87%
CMY	0.4588, 0.2431, 0.1294
CMYK	0.38, 0.13, 0.00, 0.13
HSL	201°, 56%, 71%
HSV	201°, 38%, 87%
XYZ	42.7360, 48.8171, 76.2775
YIQ	179.8610, -42.0890, -2.6410

Conversions

Conversions Part 2

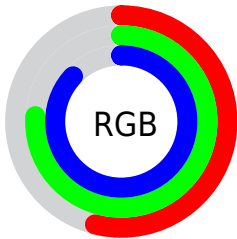
Format	Color
RYB	138, 171, 222
Decimal	9093598
CIELab	75.34, -10.65, -20.15
CIELCh	75, 22.788, 242.149
Yxy	48.8171, 0.2546, 0.2909
Android (android.graphics.Color)	4287283678 (0xFF8AC1DE)
YUV	179.8610, 20.7745, -36.7121
Hunter-Lab	69.8692, -13.0904, -15.8195

Details

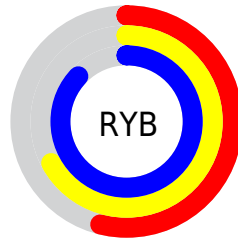
The XYZ color **42.7360, 48.8171, 76.2775** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.5313, 45.0029, 30.1747**, and the grayscale version is **43.2174, 45.4681, 49.5148**.

A 20% lighter version of the original color is **74.1738, 86.4407, 107.3831**, and **19.8638, 23.1401, 39.9788** is the 20% darker color. If you saturate the color by 10%, you get **37.7814, 43.8136, 75.5737**, and if you desaturate by 10%, it is **48.5321, 54.3870, 77.0480**.

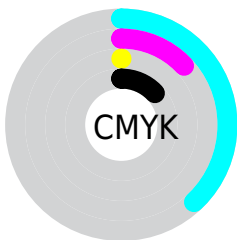
Distribution



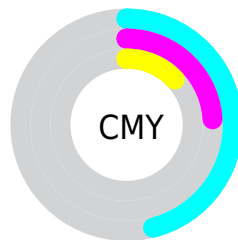
- Red (54%)
- Green (76%)
- Blue (87%)



- Red (54%)
- Yellow (67%)
- Blue (87%)



- Cyan (38%)
- Magenta (13%)
- Yellow (0%)
- Black (13%)



- Cyan (46%)
- Magenta (24%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7360, 48.8171, 76.2775 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 42.7360, 48.8171, 76.2775 by changing the saturation by 10% instead.

■ 42.7360, 48.8171,
76.2775

■ 42.7360, 48.8171,
76.2775

348.4649,
382.0218, 501.6692

■ 29.8717, 34.4744,
56.1521

■ 78.5705, 88.4197,
129.8828

■ 19.8888, 23.2583,
39.9200

■ 102.2714,
114.4485, 164.1997

■ 12.4220, 14.7843,
27.1629

■ 130.3152,
145.1414, 204.0842

■ 7.1060, 8.6682,
17.4621

163.0672,
180.8828, 249.9548

■ 3.5754, 4.5254,
10.3991

200.8928,
222.0572, 302.2301

■ 1.4649, 1.9716,
5.5553

244.1574,

■ 0.3017, 0.5909,

269.0489, 361.3285

2.5122

293.2263,
322.2423, 427.6687

■ 0.0000, 0.0000,
0.8466

■ 0.0000, 0.0000,
0.0000

■ 42.7360, 48.8171,
76.2775

■ 42.7360, 48.8171,
76.2775

■ 37.7814, 43.8136,
75.5737

■ 48.5321, 54.3870,
77.0480

■ 33.6164, 39.3445,
74.9306

■ 55.2087, 60.5418,
77.8841

■ 30.1901, 35.3826,
74.3465

■ 62.8074, 67.3062,
78.7892

■ 27.4430, 31.8952,
73.8181

■ 71.3660, 74.7014,
79.7656

■ 25.3058, 28.8445,
73.3419

■ 80.9199, 82.7475,
80.8151

■ 23.6818, 26.1785,
72.9129

■ 85.2878, 88.2596,
81.6488

■ 23.3657, 25.6354,
72.8248

■ 87.5792, 92.8425,
82.4126

■ 89.9670, 97.6179,
83.2085

■ 90.1850, 98.0540,
83.2812

Harmonies

Analogous

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



39.9063, 48.8171, 66.4022



42.7360, 48.8171, 76.2775



46.7020, 48.8171, 79.7076

Triad

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



42.7360, 48.8171, 76.2775



54.9254, 48.8171, 52.2928



42.2425, 48.8171, 35.9125

Complementary

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



42.7360, 48.8171, 76.2775



48.5313, 45.0029, 30.1747

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.



46.0977, 48.8171, 33.2684



42.7360, 48.8171, 76.2775



53.5607, 48.8171, 41.7959

Square

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



42.7360, 48.8171, 76.2775



53.8939, 48.8171, 64.6787



50.2659, 48.8171, 35.2503



39.6337, 48.8171, 43.0859

Rectangle

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



42.7360, 48.8171, 76.2775



49.5037, 48.8171, 77.5183



50.2659, 48.8171, 35.2503



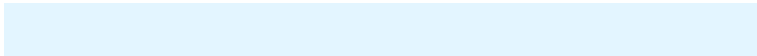
43.4273, 48.8171, 34.5178

Sweetspot

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



42.7375, 48.8190, 76.2786



82.4610, 89.0392, 107.4479



43.4866, 60.4001, 45.4442



17.3418, 18.7846, 22.9617



0.0000, 0.0000, 0.0000



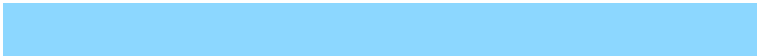
20.3446, 21.4041, 23.3091

Same Dimension

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



42.7375, 48.8190, 76.2786



53.3062, 61.6147, 103.6910



34.8956, 33.1351, 73.6647



13.6974, 14.7340, 17.5097



13.9860, 15.4416, 43.2917



1.0519, 1.2354, 3.0282

Inverse Universe

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



48.8396, 37.5582, 55.1294



62.9700, 45.0155, 69.9201



57.2686, 62.4774, 33.0871



14.0835, 13.8510, 16.2099



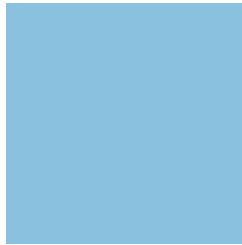
20.9997, 10.4669, 17.1960



1.4972, 0.7422, 1.4113

Previews

White Background



This preview shows how the XYZ color 42.7360, 48.8171, 76.2775 looks on a white background.

Color Contrast Check

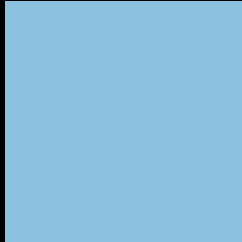
Large Text (above 18pt) WCAG AA × Fail

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 42.7360, 48.8171, 76.2775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

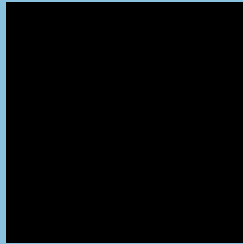
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7360, 48.8171, 76.2775

Background



This preview shows how black text looks on a background with the XYZ color 42.7360, 48.8171, 76.2775.



This preview shows how white text looks on a background with the XYZ color 42.7360, 48.8171,

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

42.7360, 48.8171, 76.2775

Protanopia

47.9186, 48.4085, 71.7840

Deuteranopia

49.6429, 48.5513, 77.9890



Tritanopia

41.2647, 48.8843, 68.8887

Trichromacy



Original Color

42.7360, 48.8171, 76.2775

Protanomaly

45.7351, 48.4951, 73.2797

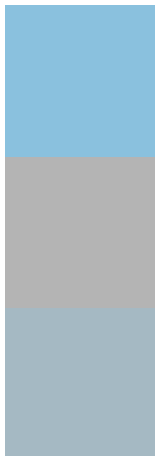
Deuteranomaly

46.7399, 48.2952, 77.3795

Tritanomaly

41.7109, 48.7241, 71.4963

Monochromacy



Original Color

42.7360, 48.8171, 76.2775

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.7163, 46.6374, 58.3803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7360, 48.8171, 76.2775 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(138, 193, 222)` looks like.

```
.text, #text, p{  
    color:rgb(138, 193, 222)  
}
```

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(138, 193, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 193, 222) }
```

Border

The CSS property to change the border of an element to XYZ 42.7360, 48.8171, 76.2775 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(138, 193, 222) }
```


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

```
.border{ border-color:rgb(138, 193, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 193, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 193, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 193, 222);  
box-shadow:4px 4px 4px 4px rgb(138, 193,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7360, 48.8171, 76.2775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 193, 222) }
```

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

```
.background{ background-color: rgb(138,  
193, 222) }
```

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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