

Converting Colors

XYZ(40.1880, 44.4014, 75.4541)

Have a look what the booklet for
XYZ(40.1880, 44.4014, 75.4541)
contains.

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Color

**XYZ(40.1100, 44.2918,
75.5424)**

Conversions

Conversions Part 1

Format	Color
Hex	87B7DE
RGB	135, 183, 222
RGB Percent	53%, 72%, 87%
CMY	0.4706, 0.2823, 0.1294
CMYK	0.39, 0.18, 0.00, 0.13
HSL	207°, 57%, 70%
HSV	207°, 39%, 87%
XYZ	40.1100, 44.2918, 75.5424
YIQ	173.0940, -41.1270, 1.9530

Conversions

Conversions Part 2

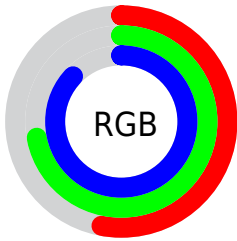
Format	Color
RYB	135, 166, 222
Decimal	8894430
CIELab	72.42, -6.10, -24.60
CIELCh	72, 25.345, 256.081
Yxy	44.2918, 0.2508, 0.2769
Android (android.graphics.Color)	4287084510 (0xFF87B7DE)
YUV	173.0940, 24.1107, -33.4084
Hunter-Lab	66.5521, -8.8867, -20.7128

Details

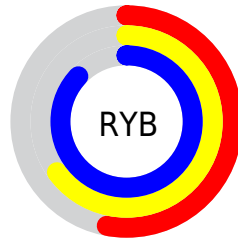
The XYZ color **40.1100, 44.2918, 75.5424** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.6344, 47.5520, 29.4856**, and the grayscale version is **39.6656, 41.7313, 45.4453**.

A 20% lighter version of the original color is **70.4024, 80.0294, 106.3444**, and **18.3510, 20.5046, 39.5498** is the 20% darker color. If you saturate the color by 10%, you get **34.9233, 38.6786, 74.7331**, and if you desaturate by 10%, it is **46.1894, 50.5826, 76.4370**.

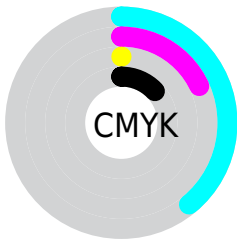
Distribution



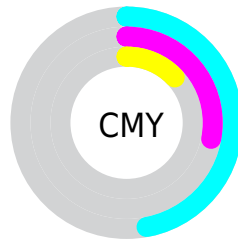
- Red (53%)
- Green (72%)
- Blue (87%)



- Red (53%)
- Yellow (65%)
- Blue (87%)



- Cyan (39%)
- Magenta (18%)
- Yellow (0%)
- Black (13%)



- Cyan (47%)
- Magenta (28%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1100, 44.2918, 75.5424 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 40.1100, 44.2918, 75.5424 by changing the saturation by 10% instead.

■ 40.1100, 44.2918,
75.5424

■ 40.1100, 44.2918,
75.5424

337.7135,
363.8977, 499.0849

■ 27.8089, 30.9000,
55.5530

■ 74.6143, 81.6567,
128.8340

■ 18.3214, 20.5227,
39.4430

■ 97.5482, 106.3985,
162.9733

■ 11.2821, 12.7756,
26.7941

■ 124.7570,
135.6924, 202.6662

■ 6.3256, 7.2742,
17.1876

156.6062,
169.9229, 248.3313

■ 3.0866, 3.6342,
10.2049

193.4611,
209.4742, 300.3872

■ 1.1997, 1.4711,
5.4277

235.6870,

■ 0.1061, 0.2683,

254.7309, 359.2524

2.4372

283.6494,
306.0772, 425.3455

■ 0.0000, 0.0000,
0.8066

■ 0.0000, 0.0000,
0.0000

■ 40.1100, 44.2918,
75.5424

■ 40.1100, 44.2918,
75.5424

■ 34.9233, 38.6786,
74.7331

■ 46.1894, 50.5826,
76.4370

■ 30.5754, 33.7080,
74.0028

■ 53.2028, 57.5736,
77.4168

■ 27.0127, 29.3486,
73.3492

■ 61.1937, 65.2925,
78.4855

■ 24.1729, 25.5637,
72.7683

■ 70.2017, 73.7637,
79.6458

■ 21.9829, 22.3105,
72.2558

■ 80.2639, 83.0103,
80.9003

■ 20.3270, 19.5245,
71.8053

■ 86.3896, 90.4633,
82.0160

■ 20.2042, 19.3125,
71.7709

■ 89.4443, 96.5727,
83.0342

■ 90.1850, 98.0540,
83.2811

Harmonies

Analogous

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



36.5372, 44.2918, 67.7095



40.1100, 44.2918, 75.5424



44.4675, 44.2918, 75.2259

Triad

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



40.1100, 44.2918, 75.5424



50.6944, 44.2918, 41.8657



36.3336, 44.2918, 33.3926

Complementary

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



40.1100, 44.2918, 75.5424



49.6344, 47.5520, 29.4856

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.



39.8142, 44.2918, 28.6103



40.1100, 44.2918, 75.5424



48.1963, 44.2918, 32.8926

Square

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



40.1100, 44.2918, 75.5424



50.7873, 44.2918, 54.2463



44.1507, 44.2918, 28.4447



34.4610, 44.2918, 42.6689

Rectangle

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



40.1100, 44.2918, 75.5424



47.2404, 44.2918, 70.3937



44.1507, 44.2918, 28.4447



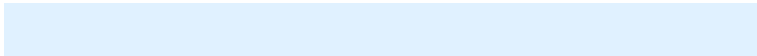
37.3431, 44.2918, 31.2823

Sweetspot

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



40.1114, 44.2935, 75.5434



80.4537, 86.2096, 107.0075



43.6280, 60.4000, 48.7435



16.9067, 18.1506, 22.8623



0.0000, 0.0000, 0.0000



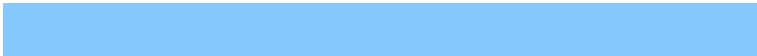
20.3446, 21.4041, 23.3091

Same Dimension

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



40.1114, 44.2935, 75.5434



49.0167, 54.2851, 102.5024



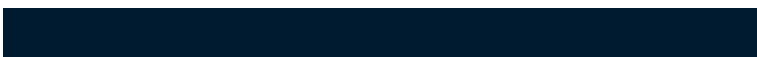
32.6733, 29.4172, 73.0641



13.5759, 14.4908, 17.4692



12.1134, 11.6963, 42.6675



0.9286, 0.9887, 2.9871

Inverse Universe

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



47.3367, 36.2779, 49.3089



60.4999, 42.8598, 60.5123



59.1055, 66.4941, 32.6426



14.0221, 13.8265, 15.8867



20.0545, 10.0888, 12.2185



1.4350, 0.7173, 1.0835

Previews

White Background



This preview shows how the XYZ color 40.1100, 44.2918, 75.5424 looks on a white background.

Color Contrast Check

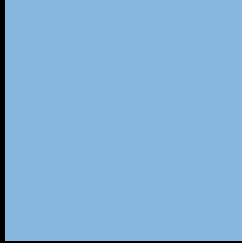
Large Text (above 18pt) WCAG AA × Fail

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 40.1100, 44.2918, 75.5424 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 40.1100, 44.2918, 75.5424

Background



This preview shows how black text looks on a background with the XYZ color 40.1100, 44.2918, 75.5424.



This preview shows how white text looks on a background with the XYZ color 40.1100, 44.2918,

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

40.1100, 44.2918, 75.5424

Protanopia

44.0028, 43.9945, 71.8182

Deuteranopia

45.1682, 44.2000, 76.6718



Tritanopia

37.6369, 44.5507, 62.4926

Trichromacy



Original Color

40.1100, 44.2918, 75.5424

Protanomaly

42.4169, 44.0232, 73.2795

Deuteranomaly

42.9461, 43.9401, 76.0298

Tritanomaly

38.5832, 44.6268, 66.9019

Monochromacy



Original Color

40.1100, 44.2918, 75.5424

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.4242, 42.5768, 55.4305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1100, 44.2918, 75.5424 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(135, 183, 222)` looks like.

```
.text, #text, p{  
    color:rgb(135, 183, 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(135, 183, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 183, 222) }
```

Border

The CSS property to change the border of an element to XYZ 40.1100, 44.2918, 75.5424 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(135, 183, 222) }
```


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

```
.border{ border-color:rgb(135, 183, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 183, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 183, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 183, 222);  
box-shadow:4px 4px 4px 4px rgb(135, 183,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1100, 44.2918, 75.5424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 183, 222) }
```

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

```
.background{ background-color: rgb(135,  
183, 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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