

Converting Colors

XYZ(42.2071, 50.4197,
102.1152)

Have a look what the booklet for
XYZ(42.2071, 50.4197, 102.1152)
contains.

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Color

**XYZ(42.1840, 50.3224,
102.0976)**

Conversions

Conversions Part 1

Format	Color
Hex	52C8FF
RGB	82, 200, 255
RGB Percent	32%, 78%, 100%
CMY	0.6784, 0.2157, 0.0000
CMYK	0.68, 0.22, 0.00, 0.00
HSL	199°, 100%, 66%
HSV	199°, 68%, 100%
XYZ	42.1840, 50.3224, 102.0976
YIQ	170.9880, -87.9830, -7.9110

Conversions

Conversions Part 2

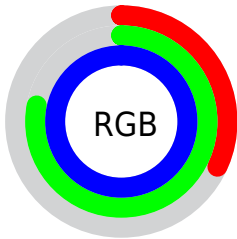
Format	Color
R_{YB}	82, 152, 255
Decimal	5425407
CIE _{Lab}	76.27, -16.31, -36.68
CIE _{LCh}	76, 40.138, 246.027
Yxy	50.3224, 0.2168, 0.2586
Android (android.graphics.Color)	4283615487 (0xFF52C8FF)
YUV	170.9880, 41.4179, -78.0425
Hunter-Lab	70.9383, -17.9956, -35.6761

Details

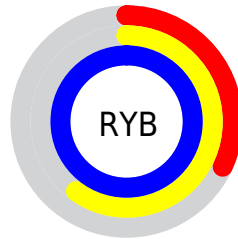
The XYZ color **42.1840, 50.3224, 102.0976** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **51.7103, 39.7632, 12.9345**, and the grayscale version is **38.5352, 40.5420, 44.1502**.

A 20% lighter version of the original color is **66.0227, 85.0359, 107.5415**, and **20.4719, 24.6350, 57.1021** is the 20% darker color. If you saturate the color by 10%, you get **38.5363, 45.7290, 101.4032**, and if you desaturate by 10%, it is **46.7577, 55.5428, 102.8642**.

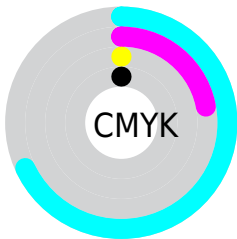
Distribution



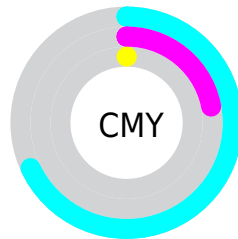
- Red (32%)
- Green (78%)
- Blue (100%)



- Red (32%)
- Yellow (60%)
- Blue (100%)



- Cyan (68%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (68%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1840, 50.3224, 102.0976 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 42.1840, 50.3224, 102.0976 by changing the saturation by 10% instead.

■ 42.1840, 50.3224,
102.0976

■ 42.1840, 50.3224,
102.0976

346.2238,
387.9254, 588.2011

■ 29.4371, 35.6696,
77.4269

■ 77.7414, 90.6524,
166.1137

■ 19.5577, 24.1792,
57.0896

■ 101.2827,
117.0984, 206.2962

■ 12.1803, 15.4666,
40.6674

■ 129.1529,
148.2442, 252.4864

■ 6.9397, 9.1475,
27.7415

■ 161.7172,
184.4744, 305.1027

■ 3.4704, 4.8375,
17.8936

199.3411,
226.1732, 364.5639

■ 1.4071, 2.1522,
10.7049

242.3900,

■ 0.2613, 0.6938,

273.7250, 431.2882

5.7571

291.2291,
327.5143, 505.6945

■ 0.0000, 0.0000,
2.6316

■ 0.0000, 0.0000,
0.9087

■ 42.1840, 50.3224,
102.0976

■ 42.1840, 50.3224,
102.0976

■ 38.5363, 45.7290,
101.4032

■ 46.7577, 55.5428,
102.8642

■ 35.7120, 41.7046,
100.7753

■ 52.3361, 61.4304,
103.7066

■ 33.5819, 38.1814,
100.2075

■ 58.9941, 68.0266,
104.6289

■ 33.1724, 37.4647,
100.0908

■ 66.7980, 75.3679,
105.6346

■ 75.8081, 83.4875,
106.7269

■ 86.0808, 92.4163,
107.9089

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



37.0480, 50.3224, 82.9857



42.1840, 50.3224, 102.0976



49.3667, 50.3224, 107.2522

Triad

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



42.1840, 50.3224, 102.0976



63.7253, 50.3224, 50.5520



39.8079, 50.3224, 27.6295

Complementary

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



42.1840, 50.3224, 102.0976



51.7103, 39.7632, 12.9345

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.



46.3254, 50.3224, 23.0310



42.1840, 50.3224, 102.0976



60.5237, 50.3224, 33.8396

Square

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



42.1840, 50.3224, 102.0976



62.3201, 50.3224, 73.4301



53.9584, 50.3224, 24.9614



35.7803, 50.3224, 39.6099

Rectangle

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



42.1840, 50.3224, 102.0976



54.4700, 50.3224, 101.1489



53.9584, 50.3224, 24.9614



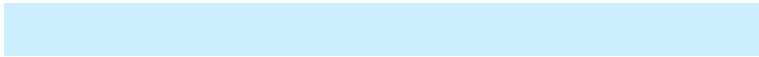
41.7527, 50.3224, 25.3353

Sweetspot

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



42.1855, 50.3241, 102.0979



73.7557, 81.6650, 106.4833



43.7410, 75.1145, 35.7816



15.2341, 16.9844, 22.7253



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.



42.1855, 50.3241, 102.0979



37.5595, 44.3978, 101.1978



27.5171, 20.9872, 97.2084



18.0393, 19.4502, 23.0534



17.4737, 19.8570, 52.3464



1.7998, 2.1304, 5.1296

Inverse Universe

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



54.6838, 31.4666, 57.8367



51.5369, 27.0995, 50.8481



69.2274, 74.7974, 18.7736



18.5325, 18.1963, 21.4212



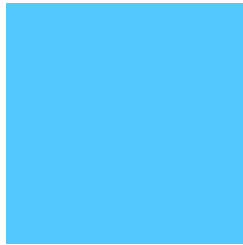
25.6081, 12.7325, 22.3846



2.5431, 1.2596, 2.4413

Previews

White Background



This preview shows how the XYZ color 42.1840, 50.3224, 102.0976 looks on a white background.

Color Contrast Check

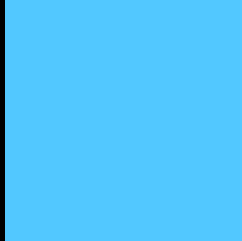
Large Text (above 18pt) WCAG AA × Fail

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 42.1840, 50.3224, 102.0976 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

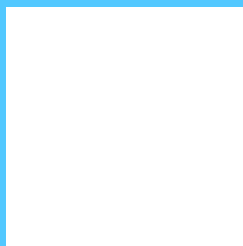
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1840, 50.3224, 102.0976

Background



This preview shows how black text looks on a background with the XYZ color 42.1840, 50.3224, 102.0976.



This preview shows how white text looks on a background with the XYZ color 42.1840, 50.3224,

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

42.1840, 50.3224, 102.0976

Protanopia

50.3212, 49.8269, 91.7594

Deuteranopia

50.9160, 49.9173, 101.5592



Tritanopia

37.3772, 50.4945, 77.5885

Trichromacy



Original Color

42.1840, 50.3224, 102.0976



Protanomaly

45.8494, 49.0313, 95.0431



Deuteranomaly

46.4551, 49.1978, 101.6554



Tritanomaly

39.0425, 50.4491, 86.2772

Monochromacy



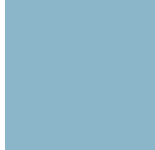
Original Color

42.1840, 50.3224, 102.0976



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

38.0361, 43.2091, 62.2126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1840, 50.3224, 102.0976 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(82, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(82, 200, 255)  
}
```

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(82, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 200, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.1840, 50.3224, 102.0976 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(82, 200, 255) }
```


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

```
.border{ border-color:rgb(82, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(82, 200,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1840, 50.3224, 102.0976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 200, 255) }
```

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

```
.background{ background-color: rgb(82, 200,  
255) }
```

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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