

Converting Colors

XYZ(50.8979, 70.9420, 22.6743)

Have a look what the booklet for
XYZ(50.8979, 70.9420, 22.6743)
contains.

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Color

**XYZ(50.8489, 70.9152,
22.5633)**

Conversions

Conversions Part 1

Format	Color
Hex	B2ED62
RGB	178, 237, 98
RGB Percent	70%, 93%, 38%
CMY	0.3020, 0.0706, 0.6157
CMYK	0.25, 0.00, 0.59, 0.07
HSL	85°, 79%, 66%
HSV	85°, 59%, 93%
XYZ	50.8489, 70.9152, 22.5633
YIQ	203.5130, 9.4550, -55.7370

Conversions

Conversions Part 2

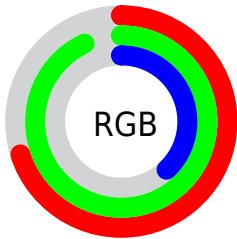
Format	Color
RYB	98, 237, 157
Decimal	11726178
CIELab	87.44, -39.98, 60.00
CIELCh	87, 72.099, 123.677
Yxy	70.9152, 0.3523, 0.4913
Android (android.graphics.Color)	4289916258 (0xFFB2ED62)
YUV	203.5130, -52.0179, -22.3749
Hunter-Lab	84.2112, -39.5866, 43.0618

Details

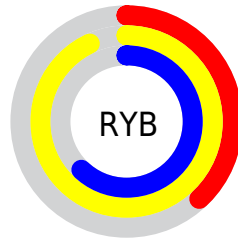
The XYZ color **50.8489, 70.9152, 22.5633** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **33.5614, 22.0200, 82.6062**, and the grayscale version is **57.4023, 60.3917, 65.7666**.

A 20% lighter version of the original color is **76.1018, 91.6528, 43.8168**, and **24.8269, 37.2799, 8.0777** is the 20% darker color. If you saturate the color by 10%, you get **47.6675, 69.3881, 17.4132**, and if you desaturate by 10%, it is **54.5343, 72.6683, 29.4687**.

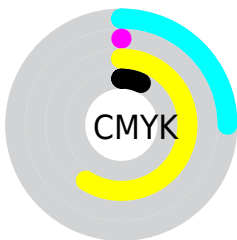
Distribution



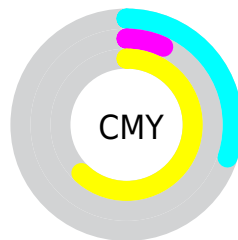
- Red (70%)
- Green (93%)
- Blue (38%)



- Red (38%)
- Yellow (93%)
- Blue (62%)



- Cyan (25%)
- Magenta (0%)
- Yellow (59%)
- Black (7%)





- Cyan (30%)
- Magenta (7%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8489, 70.9152, 22.5633 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 50.8489, 70.9152, 22.5633 by changing the saturation by 10% instead.


 50.8489, 70.9152,
22.5633


 50.8489, 70.9152,
22.5633


380.3738,
463.7569, 278.5229

 36.3089, 52.2730,
14.0691


 90.6157, 120.5130,
48.5893


 24.8441, 37.2227,
8.0295


 116.5732,
152.2373, 66.9583

 16.0890, 25.3800,
4.0258


 147.0673,
189.0912, 89.4559

 9.6784, 16.3604,
1.6395

 182.4634,
231.4590, 116.5007

 5.2469, 9.7795,
0.3188

223.1267,
279.7250, 148.5113

 2.4291, 5.2530,
0.0000

269.4226,

 0.8596, 2.3965,

334.2738, 185.9061

0.0000

321.7165,
395.4896, 229.1038

0.0000, 0.8241,
0.0000

0.0000, 0.0000,
0.0000

50.8489, 70.9152,
22.5633

50.8489, 70.9152,
22.5633

47.6675, 69.3881,
17.4132

54.5343, 72.6683,
29.4687

44.9512, 68.0637,
13.8547


58.7486, 74.6506,
38.2648


42.6622, 66.9290,
11.7011


63.5208, 76.8763,
49.0789


40.7443, 65.9610,
10.6763

68.8759, 79.3560,
62.0260

 40.5037, 65.8390,
10.5734

 74.8374, 82.0993,
77.2123

 81.4272, 85.1154,
94.7370

 87.1981, 87.8257,
106.9640

 89.5757, 89.0514,
107.0752

Harmonies

Analogous

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



65.3274, 70.9152, 16.3948



50.8489, 70.9152, 22.5633



42.1383, 70.9152, 42.6895

Triad

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



50.8489, 70.9152, 22.5633



53.9186, 70.9152, 195.2318



105.5813, 70.9152, 71.3633

Complementary

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



50.8489, 70.9152, 22.5633



33.5614, 22.0200, 82.6062

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.



101.1623, 70.9152, 126.6265



50.8489, 70.9152, 22.5633



69.5216, 70.9152, 213.4330

Square

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



50.8489, 70.9152, 22.5633



43.6902, 70.9152, 141.6500



87.2081, 70.9152, 184.2963



98.4382, 70.9152, 36.0589

Rectangle

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



50.8489, 70.9152, 22.5633



39.8477, 70.9152, 67.3540



87.2081, 70.9152, 184.2963



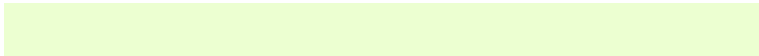
105.4039, 70.9152, 87.9935

Sweetspot

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



50.8506, 70.9183, 22.5648



81.7125, 93.8785, 74.2002



49.0069, 42.6379, 17.2033



17.0763, 19.9029, 14.8591



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.



50.8506, 70.9183, 22.5648



55.7250, 81.6596, 19.7538



38.8697, 64.7420, 22.0041



15.6985, 17.2901, 16.0286



22.2656, 36.0228, 5.7796



1.8579, 2.8851, 0.4590

Inverse Universe

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



33.5614, 22.0200, 82.6062



33.6690, 19.1598, 96.5314



50.8379, 30.9263, 83.4147



14.8374, 14.8614, 19.0088



11.3945, 4.9100, 44.0901



1.0026, 0.4411, 3.4672

Previews

White Background



This preview shows how the XYZ color 50.8489, 70.9152, 22.5633 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 50.8489, 70.9152, 22.5633 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 50.8489, 70.9152, 22.5633

Background



This preview shows how black text looks on a background with the XYZ color 50.8489, 70.9152, 22.5633.



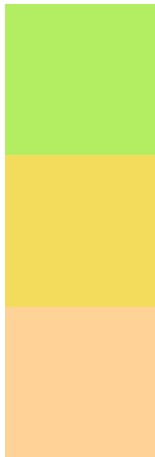
This preview shows how white text looks on a background with the XYZ color 50.8489, 70.9152,

22.5633.

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

50.8489, 70.9152, 22.5633

Protanopia

64.2254, 70.4904, 20.3462

Deuteranopia

70.1202, 70.0829, 39.1098



Tritanopia

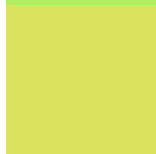
64.8754, 70.4041, 92.6081

Trichromacy



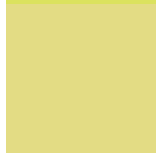
Original Color

50.8489, 70.9152, 22.5633



Protanomaly

58.4302, 70.2609, 21.0718



Deuteranomaly

61.4366, 69.1832, 31.9454



Tritanomaly

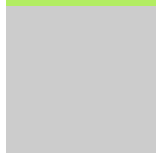
57.7814, 69.5162, 57.9495

Monochromacy



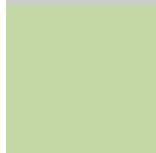
Original Color

50.8489, 70.9152, 22.5633



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.8531, 63.4304, 45.0023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8489, 70.9152, 22.5633 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(178, 237, 98)` looks like.

```
.text, #text, p{  
    color:rgb(178, 237, 98)  
}
```

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(178, 237, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 237, 98) }
```

Border

The CSS property to change the border of an element to XYZ 50.8489, 70.9152, 22.5633 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(178, 237, 98) }
```


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

```
.border{ border-color:rgb(178, 237, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 237, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 237, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 237, 98);  
box-shadow:4px 4px 4px 4px rgb(178, 237,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8489, 70.9152, 22.5633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 237, 98) }
```

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

```
.background{ background-color: rgb(178,  
237, 98) }
```

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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