

Converting Colors

XYZ(41.9721, 64.2088, 22.2380)

Have a look what the booklet for
XYZ(41.9721, 64.2088, 22.2380)
contains.

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Color

**XYZ(41.9721, 64.2088,
22.2380)**

Conversions

Conversions Part 1

Format	Color
Hex	8CE864
RGB	140, 232, 100
RGB Percent	55%, 91%, 39%
CMY	0.4510, 0.0902, 0.6078
CMYK	0.40, 0.00, 0.57, 0.09
HSL	102°, 74%, 65%
HSV	102°, 57%, 91%
XYZ	41.9721, 64.2088, 22.2380
YIQ	189.4440, -12.4600, -60.5560

Conversions

Conversions Part 2

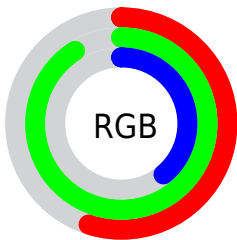
Format	Color
RYB	100, 232, 192
Decimal	9234532
CIELab	84.07, -50.60, 54.76
CIELCh	84, 74.560, 132.739
Yxy	64.2088, 0.3268, 0.5000
Android (android.graphics.Color)	4287424612 (0xFF8CE864)
YUV	189.4440, -44.0959, -43.3624
Hunter-Lab	80.1304, -46.7303, 39.6370

Details

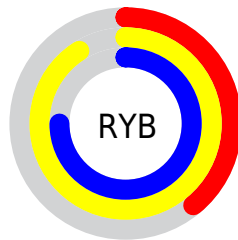
The XYZ color **41.9721, 64.2088, 22.2380** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **40.8641, 26.1491, 79.2410**, and the grayscale version is **48.8758, 51.4211, 55.9976**.

A 20% lighter version of the original color is **64.8814, 85.8589, 43.7247**, and **19.4982, 33.0418, 7.9348** is the 20% darker color. If you saturate the color by 10%, you get **38.4781, 62.5213, 17.0247**, and if you desaturate by 10%, it is **46.1893, 66.2361, 29.1565**.

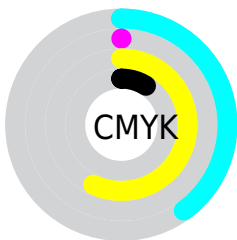
Distribution



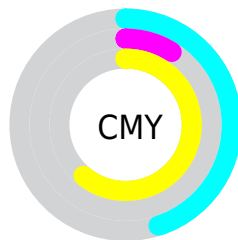
- Red (55%)
- Green (91%)
- Blue (39%)



- Red (39%)
- Yellow (91%)
- Blue (75%)



- Cyan (40%)
- Magenta (0%)
- Yellow (57%)
- Black (9%)





- Cyan (45%)
- Magenta (9%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9721, 64.2088, 22.2380 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 41.9721, 64.2088, 22.2380 by changing the saturation by 10% instead.


 41.9721, 64.2088,
22.2380

 41.9721, 64.2088,
22.2380


345.3609,
439.9433, 276.7806

 29.2705, 46.8198,
13.8319


 77.4228, 110.9116,
48.0463


 19.4308, 32.8932,
7.8664


 100.9026,
140.9942, 66.2855

 12.0878, 22.0447,
3.9230


 128.7058,
176.0768, 88.6396

 6.8762, 13.8897,
1.5832

 161.1979,
216.5437, 115.5269

 3.4304, 8.0440,
0.2788

198.7440,
262.7794, 147.3662

 1.3852, 4.1231,
0.0000

241.7097,

 0.2457, 1.7427,

315.1684, 184.5759

0.0000

290.4602,
374.0948, 227.5745

■ 0.0000, 0.4511,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.9721, 64.2088,
22.2380

■ 41.9721, 64.2088,
22.2380

■ 38.4781, 62.5213,
17.0247

■ 46.1893, 66.2361,
29.1565

■ 35.6574, 61.1453,
13.3642


■ 51.1662, 68.6132,
37.9065

■ 33.4601, 60.0607,
11.0848


■ 56.9419, 71.3598,
48.6074


■ 31.8239, 59.2404,
9.9641


■ 63.5514, 74.4916,
61.3674

 31.4053, 59.0291,
9.7385

 71.0277, 78.0233,
76.2865

 79.4018, 81.9689,
93.4583

 87.4871, 85.8552,
106.5684

 88.1480, 86.1959,
106.5993

Harmonies

Analogous

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



54.3127, 64.2088, 13.5358



41.9721, 64.2088, 22.2380



35.5212, 64.2088, 46.3203

Triad

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



41.9721, 64.2088, 22.2380



52.1116, 64.2088, 197.0947



97.3929, 64.2088, 51.7705

Complementary

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



41.9721, 64.2088, 22.2380



40.8641, 26.1491, 79.2410

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.



96.5130, 64.2088, 100.4012



41.9721, 64.2088, 22.2380



68.2764, 64.2088, 200.8112

Square

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



41.9721, 64.2088, 22.2380



40.6115, 64.2088, 151.2244



85.1239, 64.2088, 159.8401



87.3470, 64.2088, 24.6783

Rectangle

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



41.9721, 64.2088, 22.2380



34.5616, 64.2088, 74.3338



85.1239, 64.2088, 159.8401



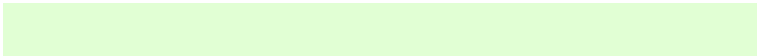
98.4108, 64.2088, 65.6700

Sweetspot

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



41.9736, 64.2116, 22.2394



78.5839, 92.2288, 75.7163



54.0385, 54.9923, 19.8240



16.4488, 19.5650, 15.4799



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.



41.9736, 64.2116, 22.2394



47.1217, 77.2030, 20.3212



37.7649, 61.8859, 29.0913



14.5979, 16.2998, 15.2812



17.5460, 32.8268, 5.4114



1.3883, 2.4731, 0.4042

Inverse Universe

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



40.8641, 26.1491, 79.2410



45.5189, 25.8152, 97.1915



49.1989, 30.8161, 62.9036



14.5477, 14.3846, 18.1541



16.4584, 7.5505, 42.9731



1.3094, 0.6060, 3.1799

Previews

White Background



This preview shows how the XYZ color 41.9721, 64.2088, 22.2380 looks on a white background.

Color Contrast Check

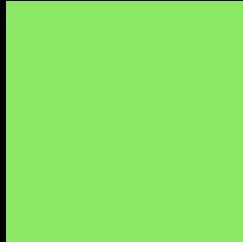
Large Text (above 18pt) WCAG AA × Fail

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 41.9721, 64.2088, 22.2380 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

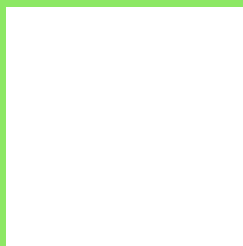
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9721, 64.2088, 22.2380

Background



This preview shows how black text looks on a background with the XYZ color 41.9721, 64.2088, 22.2380.



This preview shows how white text looks on a background with the XYZ color 41.9721, 64.2088,

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

41.9721, 64.2088, 22.2380

Protanopia

58.0550, 63.5470, 19.5619

Deuteranopia

64.5881, 63.2767, 24.1387



Tritanopia

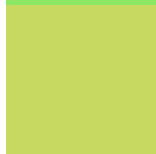
55.1711, 63.9275, 88.0287

Trichromacy



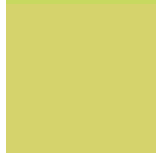
Original Color

41.9721, 64.2088, 22.2380



Protanomaly

50.4774, 62.6124, 20.4913



Deuteranomaly

53.4416, 61.8174, 23.3026



Tritanomaly

48.7682, 63.2891, 56.1000

Monochromacy



Original Color

41.9721, 64.2088, 22.2380



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.7117, 54.7549, 40.1105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9721, 64.2088, 22.2380 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(140, 232, 100)` looks like.

```
.text, #text, p{  
    color:rgb(140, 232, 100)  
}
```

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(140, 232, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 232, 100) }
```

Border

The CSS property to change the border of an element to XYZ 41.9721, 64.2088, 22.2380 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(140, 232, 100) }
```


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

```
.border{ border-color:rgb(140, 232, 100) }
```

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

Here you see how a box with a 4 pixel rgb(140, 232, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 232, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 232, 100);  
box-shadow:4px 4px 4px 4px rgb(140, 232,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9721, 64.2088, 22.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 232, 100) }
```

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

```
.background{ background-color: rgb(140,  
232, 100) }
```

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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