

Converting Colors

XYZ(63.6292, 82.8715, 22.7555)

Have a look what the booklet for
XYZ(63.6292, 82.8715, 22.7555)
contains.

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Color

**XYZ(63.5390, 82.8202,
22.7623)**

Conversions

Conversions Part 1

Format	Color
Hex	D6F95C
RGB	214, 249, 92
RGB Percent	84%, 98%, 36%
CMY	0.1608, 0.0235, 0.6392
CMYK	0.14, 0.00, 0.63, 0.02
HSL	73°, 93%, 67%
HSV	73°, 63%, 98%
XYZ	63.5390, 82.8202, 22.7623
YIQ	220.6370, 29.5370, -56.2470

Conversions

Conversions Part 2

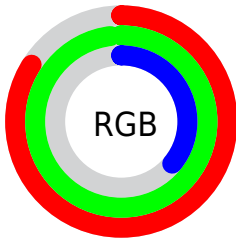
Format	Color
R _Y B	92, 249, 127
Decimal	14088540
CIE Lab	92.94, -32.36, 69.12
CIE LCh	93, 76.321, 115.087
Yxy	82.8202, 0.3757, 0.4897
Android (android.graphics.Color)	4292278620 (0xFFD6F95C)
YUV	220.6370, -63.4180, -5.8206
Hunter-Lab	91.0056, -34.6333, 48.8743

Details

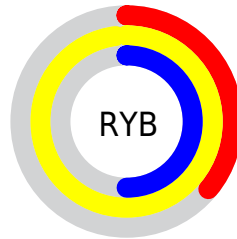
The XYZ color **63.5390, 82.8202, 22.7623** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **29.6815, 19.0080, 91.7320**, and the grayscale version is **68.8907, 72.4784, 78.9290**.

A 20% lighter version of the original color is **82.3453, 94.9181, 41.9979**, and **32.7817, 44.8559, 8.0927** is the 20% darker color. If you saturate the color by 10%, you get **61.0322, 81.6364, 17.8673**, and if you desaturate by 10%, it is **66.4625, 84.1830, 29.5466**.

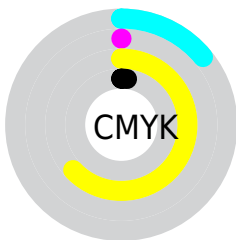
Distribution



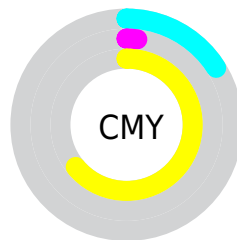
- Red (84%)
- Green (98%)
- Blue (36%)



- Red (36%)
- Yellow (98%)
- Blue (50%)



- Cyan (14%)
- Magenta (0%)
- Yellow (63%)
- Black (2%)





- Cyan (16%)
- Magenta (2%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5390, 82.8202, 22.7623 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 63.5390, 82.8202, 22.7623 by changing the saturation by 10% instead.


 63.5390, 82.8202,
22.7623

 63.5390, 82.8202,
22.7623


427.1516,
504.3871, 279.5840


 46.5377, 62.0418,
14.2144


 109.0242,
137.3236, 48.9210


 32.8767, 45.0665,
8.1295


 138.2388,
171.8174, 67.3689

 22.1908, 31.5098,
4.0890


 172.2552,
211.6519, 89.9538

 14.1146, 20.9874,
1.6743

 211.4387,
257.2113, 117.0944

 8.2826, 13.1148,
0.3430

256.1548,
308.8802, 149.2092

 4.3296, 7.5076,
0.0000

306.7687,

 1.8903, 3.7815,

367.0428, 186.7167

0.0000

363.6459,
432.0837, 230.0355

■ 0.5712, 1.5521,
0.0000

■ 0.0000, 0.3250,
0.0000

■ 63.5390, 82.8202,
22.7623

■ 63.5390, 82.8202,
22.7623

■ 61.0322, 81.6364,
17.8673

■ 66.4625, 84.1830,
29.5466

■ 58.8992, 80.6055,
14.6638

■ 69.8292, 85.7265,
38.3815

■ 57.0971, 79.7132,
12.9197

■ 73.6695, 87.4660,
49.4171

■ 55.9938, 79.1564,
12.3275

■ 78.0097, 89.4119,
62.7882

82.8736, 91.5741,
78.6184

88.2838, 93.9613,
97.0228

92.3861, 95.8322,
108.2359

93.1675, 96.2351,
108.2725

Harmonies

Analogous

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



82.0512, 82.8202, 19.0091



63.5390, 82.8202, 22.7623



51.2509, 82.8202, 40.7588

Triad

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



63.5390, 82.8202, 22.7623



58.7299, 82.8202, 213.6970



123.4891, 82.8202, 99.9227

Complementary

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



63.5390, 82.8202, 22.7623



29.6815, 19.0080, 91.7320

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.



114.5761, 82.8202, 168.8595



63.5390, 82.8202, 22.7623



75.4765, 82.8202, 250.0300

Square

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



63.5390, 82.8202, 22.7623



48.8210, 82.8202, 145.2792



96.1405, 82.8202, 230.8709



118.8500, 82.8202, 51.1362

Rectangle

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



63.5390, 82.8202, 22.7623



47.1473, 82.8202, 64.7422



96.1405, 82.8202, 230.8709



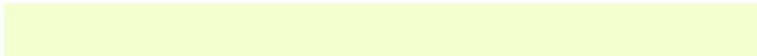
121.9406, 82.8202, 121.5288

Sweetspot

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



63.5409, 82.8239, 22.7640



84.3442, 95.2714, 72.6873



48.4647, 35.8410, 14.4900



17.7467, 20.2555, 14.5730



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.



63.5409, 82.8239, 22.7640



63.6981, 85.8247, 17.6518



46.0424, 73.8031, 21.9451



18.3266, 19.9841, 18.3538



30.0987, 42.4347, 6.6044



2.8774, 3.9765, 0.6159

Inverse Universe

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



29.6815, 19.0080, 91.7320



25.4863, 13.5466, 95.8792



45.9727, 27.4064, 92.4944



16.6449, 16.8296, 21.7564



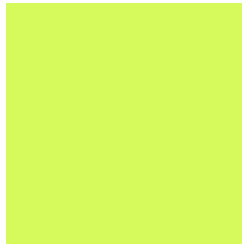
10.1107, 4.1549, 48.2426



1.0234, 0.4296, 4.4722

Previews

White Background



This preview shows how the XYZ color 63.5390, 82.8202, 22.7623 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 63.5390, 82.8202, 22.7623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

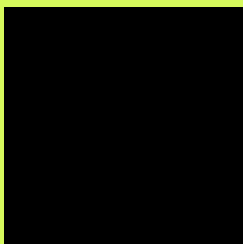
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

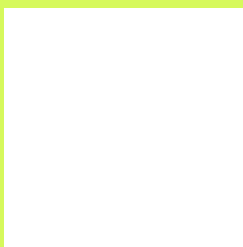
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.5390, 82.8202, 22.7623

Background



This preview shows how black text looks on a background with the XYZ color 63.5390, 82.8202, 22.7623.

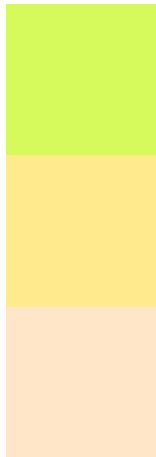


This preview shows how white text looks on a background with the XYZ color 63.5390, 82.8202,

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

63.5390, 82.8202, 22.7623

Protanopia

75.5453, 82.0586, 37.4484

Deuteranopia

80.0794, 82.0707, 66.8789



Tritanopia

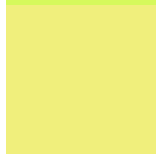
79.9883, 82.4619, 103.7964

Trichromacy



Original Color

63.5390, 82.8202, 22.7623



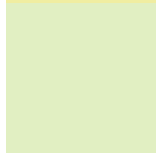
Protanomaly

70.4398, 81.7135, 31.1285



Deuteranomaly

72.6524, 81.6668, 45.6523



Tritanomaly

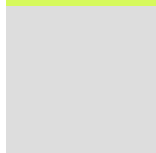
71.6554, 81.6356, 63.0195

Monochromacy



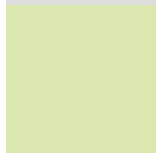
Original Color

63.5390, 82.8202, 22.7623



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.1293, 75.1132, 51.1100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5390, 82.8202, 22.7623 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(214, 249, 92)` looks like.

```
.text, #text, p{  
    color:rgb(214, 249, 92)  
}
```

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(214, 249, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 249, 92) }
```

Border

The CSS property to change the border of an element to XYZ 63.5390, 82.8202, 22.7623 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(214, 249, 92) }
```


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

```
.border{ border-color:rgb(214, 249, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 249, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 249, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 249, 92);  
box-shadow:4px 4px 4px 4px rgb(214, 249,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5390, 82.8202, 22.7623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 249, 92) }
```

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

```
.background{ background-color: rgb(214,  
249, 92) }
```

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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