

Converting Colors

XYZ(63.0254, 85.3128, 25.0824)

Have a look what the booklet for
XYZ(63.0254, 85.3128, 25.0824)
contains.

XYZ(62.9621, 85.2775, 25.1983)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(62.9621, 85.2775,
25.1983)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFF64
RGB	204, 255, 100
RGB Percent	80%, 100%, 39%
CMY	0.2000, 0.0000, 0.6078
CMYK	0.20, 0.00, 0.61, 0.00
HSL	80°, 100%, 70%
HSV	80°, 61%, 100%
XYZ	62.9621, 85.2775, 25.1983
YIQ	222.0810, 19.3590, -59.0170

Conversions

Conversions Part 2

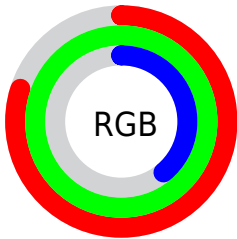
Format	Color
RYB	100, 255, 151
Decimal	13434724
CIELab	94.00, -38.29, 66.87
CIELCh	94, 77.053, 119.793
Yxy	85.2775, 0.3630, 0.4917
Android (android.graphics.Color)	4291624804 (0xFFCCFF64)
YUV	222.0810, -60.1859, -15.8570
Hunter-Lab	92.3458, -39.9025, 48.4637

Details

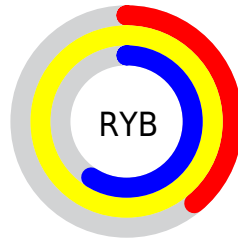
The XYZ color **62.9621, 85.2775, 25.1983** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **35.3710, 22.9150, 97.1665**, and the grayscale version is **69.8904, 73.5301, 80.0743**.

A 20% lighter version of the original color is **83.0008, 95.1803, 45.4495**, and **32.4484, 46.6593, 9.3937** is the 20% darker color. If you saturate the color by 10%, you get **59.6765, 83.7046, 19.5794**, and if you desaturate by 10%, it is **66.7580, 87.0687, 32.8589**.

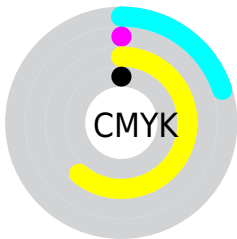
Distribution



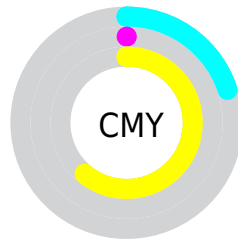
- Red (80%)
- Green (100%)
- Blue (39%)



- Red (39%)
- Yellow (100%)
- Blue (59%)



- Cyan (20%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.9621, 85.2775, 25.1983 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 62.9621, 85.2775, 25.1983 by changing the saturation by 10% instead.


 62.9621, 85.2775,
25.1983


 62.9621, 85.2775,
25.1983


425.0938,
512.5459, 292.3033


 46.0691, 64.0707,
16.0045


 108.1969,
140.7608, 52.9468


 32.5052, 46.7079,
9.3729


 137.2695,
175.8061, 72.3387

 21.9051, 32.8048,
4.8851

 171.1326,
216.2331, 95.9669

 13.9034, 21.9770,
2.1224

 210.1516,
262.4260, 124.2501

 8.1347, 13.8400,
0.6291

254.6919,
314.7694, 157.6068

 4.2338, 8.0095,
0.0000

305.1187,

 1.8352, 4.1010,

373.6475, 196.4555

0.0000

361.7976,
439.4449, 241.2148

■ 0.5388, 1.7302,
0.0000

■ 0.0000, 0.4431,
0.0000

■ 62.9621, 85.2775,
25.1983

■ 62.9621, 85.2775,
25.1983

■ 59.6765, 83.7046,
19.5794

■ 66.7580, 87.0687,
32.8589

■ 56.8615, 82.3342,
15.8014


■ 71.0984, 89.0923,
42.7293


■ 54.4704, 81.1471,
13.6294


■ 76.0144, 91.3608,
54.9645

■ 52.5750, 80.1885,
12.7069

■ 81.5343, 93.8859,
69.7044

 87.6844, 96.6782,
87.0780

 94.4892, 99.7478,
107.2054

 95.0500, 100.0000,
108.9000

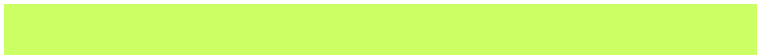
Harmonies

Analogous

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



81.1963, 85.2775, 19.4342



62.9621, 85.2775, 25.1983



51.4752, 85.2775, 46.7600

Triad

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



62.9621, 85.2775, 25.1983



62.7538, 85.2775, 229.0144



127.3385, 85.2775, 93.2613

Complementary

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



62.9621, 85.2775, 25.1983



35.3710, 22.9150, 97.1665

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.



120.2245, 85.2775, 162.2219



62.9621, 85.2775, 25.1983



80.9113, 85.2775, 258.2253

Square

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



62.9621, 85.2775, 25.1983



51.3700, 85.2775, 161.1989



102.3161, 85.2775, 229.7601



120.4099, 85.2775, 47.2088

Rectangle

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



62.9621, 85.2775, 25.1983



48.0517, 85.2775, 74.2082



102.3161, 85.2775, 229.7601



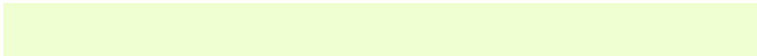
126.4957, 85.2775, 114.3845

Sweetspot

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



62.9622, 85.2775, 25.1995



83.1812, 94.6356, 74.2689



54.3016, 43.7024, 17.6311



17.4358, 20.0882, 14.8759



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.



62.9622, 85.2775, 25.1995



59.0132, 83.3839, 18.5902



47.0259, 77.0620, 24.4537



18.9463, 20.7737, 19.1555



27.6357, 41.9848, 6.6473



2.8061, 4.1474, 0.6526

Inverse Universe

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



35.3710, 22.9150, 97.1665



29.3904, 16.2117, 96.1879



54.1551, 32.5986, 98.0456



17.5659, 17.6680, 22.7344



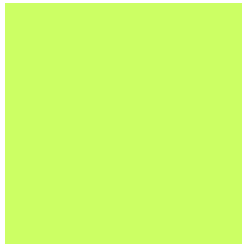
11.4769, 4.8271, 49.7614



1.2271, 0.5265, 4.8502

Previews

White Background



This preview shows how the XYZ color 62.9621, 85.2775, 25.1983 looks on a white background.

Color Contrast Check

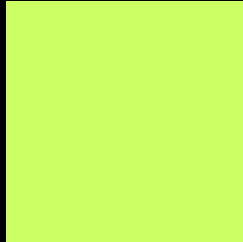
Large Text (above 18pt) WCAG AA × Fail

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 62.9621, 85.2775, 25.1983 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 62.9621, 85.2775, 25.1983

Background



This preview shows how black text looks on a background with the XYZ color 62.9621, 85.2775, 25.1983.

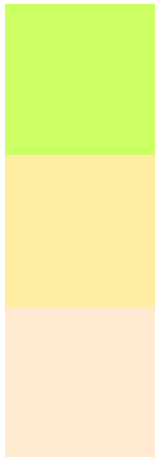


This preview shows how white text looks on a background with the XYZ color 62.9621, 85.2775, 25.1983.

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

62.9621, 85.2775, 25.1983

Protanopia

78.1350, 84.4727, 46.8370

Deuteranopia

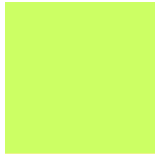
82.1714, 84.7091, 72.3412



Tritanopia

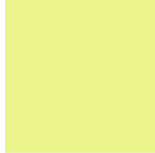
79.9678, 84.9606, 106.7920

Trichromacy



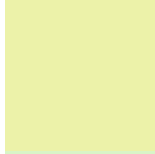
Original Color

62.9621, 85.2775, 25.1983



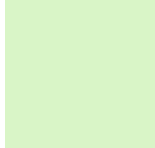
Protanomaly

71.6764, 84.4277, 37.3294



Deuteranomaly

73.5056, 84.2017, 49.9145



Tritanomaly

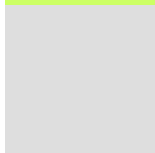
71.5765, 84.1801, 66.5087

Monochromacy



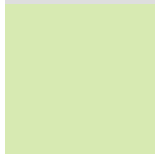
Original Color

62.9621, 85.2775, 25.1983



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

65.4830, 76.5071, 53.4355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.9621, 85.2775, 25.1983 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(204, 255, 100)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 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(204, 255, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 100) }
```

Border

The CSS property to change the border of an element to XYZ 62.9621, 85.2775, 25.1983 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(204, 255, 100) }
```


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

```
.border{ border-color:rgb(204, 255, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 100);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 62.9621, 85.2775, 25.1983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 100) }
```

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

```
.background{ background-color: rgb(204,  
255, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor