

Converting Colors

XYZ(65.4661, 80.8799, 32.5855)

Have a look what the booklet for
XYZ(65.4661, 80.8799, 32.5855)
contains.

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Color

**XYZ(65.4621, 80.8753,
32.5824)**

Conversions

Conversions Part 1

Format	Color
Hex	DCF380
RGB	220, 243, 128
RGB Percent	86%, 95%, 50%
CMY	0.1373, 0.0470, 0.4980
CMYK	0.09, 0.00, 0.47, 0.05
HSL	72°, 83%, 73%
HSV	72°, 47%, 95%
XYZ	65.4621, 80.8753, 32.5824
YIQ	223.0130, 23.2070, -40.6410

Conversions

Conversions Part 2

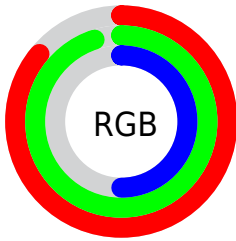
Format	Color
RYB	128, 243, 151
Decimal	14480256
CIELab	92.08, -24.29, 52.56
CIElCh	92, 57.905, 114.800
Yxy	80.8753, 0.3659, 0.4520
Android (android.graphics.Color)	4292670336 (0xFFDCF380)
YUV	223.0130, -46.8414, -2.6424
Hunter-Lab	89.9307, -27.4455, 41.4704

Details

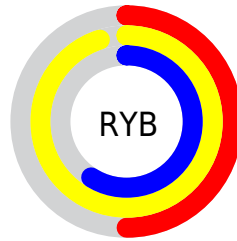
The XYZ color **65.4621, 80.8753, 32.5824** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.6624, 28.4908, 88.3656**, and the grayscale version is **70.4611, 74.1306, 80.7282**.

A 20% lighter version of the original color is **85.5472, 96.1989, 58.8592**, and **34.1446, 43.8352, 13.3180** is the 20% darker color. If you saturate the color by 10%, you get **62.6011, 79.5662, 25.0761**, and if you desaturate by 10%, it is **68.7529, 82.3669, 42.1112**.

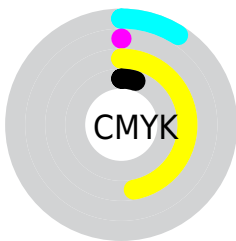
Distribution



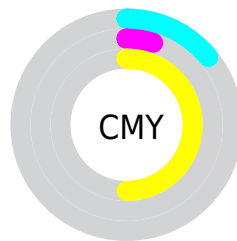
- Red (86%)
- Green (95%)
- Blue (50%)



- Red (50%)
- Yellow (95%)
- Blue (59%)



- Cyan (9%)
- Magenta (0%)
- Yellow (47%)
- Black (5%)





- Cyan (14%)
- Magenta (5%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.4621, 80.8753, 32.5824 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 65.4621, 80.8753, 32.5824 by changing the saturation by 10% instead.


 65.4621, 80.8753,
32.5824

 65.4621, 80.8753,
32.5824


433.9697,
497.8778, 328.3379


 48.1020, 60.4389,
21.5382


 111.7760,
134.5957, 64.8315

 34.1192, 43.7725,
13.3229


 141.4604,
168.6484, 86.8735

 23.1485, 30.4917,
7.5180


 175.9837,
208.0087, 113.4185

 14.8245, 20.2121,
3.7048

215.7111,
253.0610, 144.8851

 8.7818, 12.5493,
1.4648

261.0081,
304.1897, 181.6918

 4.6551, 7.1189,
0.1915

312.2399,

 2.0790, 3.5366,

361.7791, 224.2571

0.0000

369.7720,
426.2137, 272.9996

■ 0.6778, 1.4179,
0.0000

■ 0.0000, 0.2298,
0.0000

■ 65.4621, 80.8753,
32.5824

■ 65.4621, 80.8753,
32.5824

■ 62.6011, 79.5662,
25.0761

■ 68.7529, 82.3669,
42.1112

■ 60.1358, 78.4175,
19.4407


■ 72.4929, 84.0404,
53.7892


■ 58.0362, 77.4199,
15.5119


■ 76.7075, 85.9087,
67.7389


■ 56.2650, 76.5585,
13.0944


■ 81.4181, 87.9804,
84.0721


 54.7733, 75.8137,
11.9333

 86.6449, 90.2638,
102.8931

 54.4016, 75.6262,
11.7300

 89.2290, 91.4952,
107.5652

 90.9859, 92.4009,
107.6474

 91.3423, 92.5847,
107.6641

Harmonies

Analogous

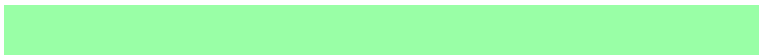
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.4969, 80.8753, 28.9949



65.4621, 80.8753, 32.5824



55.7450, 80.8753, 48.7085

Triad

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



65.4621, 80.8753, 32.5824



61.5019, 80.8753, 173.6174



109.0958, 80.8753, 95.7113

Complementary

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



65.4621, 80.8753, 32.5824



36.6624, 28.4908, 88.3656

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.



102.7524, 80.8753, 144.3633



65.4621, 80.8753, 32.5824



74.3007, 80.8753, 197.7258

Square

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



65.4621, 80.8753, 32.5824



53.6741, 80.8753, 127.1770



89.5307, 80.8753, 185.5808



105.9372, 80.8753, 57.9186

Rectangle

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



65.4621, 80.8753, 32.5824



52.3931, 80.8753, 68.2415



89.5307, 80.8753, 185.5808



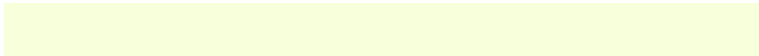
107.9821, 80.8753, 111.3848

Sweetspot

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



65.4641, 80.8789, 32.5841



87.2469, 96.5809, 81.2687



51.9279, 42.7488, 25.9377



18.4384, 20.5683, 16.5863



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.



65.4641, 80.8789, 32.5841



69.8954, 88.7945, 28.1073



50.9518, 73.3976, 31.9049



17.5709, 19.1364, 17.5652



29.9688, 41.5623, 6.4428



2.7145, 3.6944, 0.5700

Inverse Universe

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



36.6624, 28.4908, 88.3656



34.1901, 23.7619, 97.3922



50.0528, 35.3939, 88.9923



15.8907, 16.0863, 20.8100



9.6504, 3.9493, 46.7917



0.9283, 0.3884, 4.1163

Previews

White Background



This preview shows how the XYZ color 65.4621, 80.8753, 32.5824 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 65.4621, 80.8753, 32.5824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

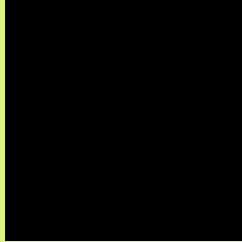
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.4621, 80.8753, 32.5824

Background



This preview shows how black text looks on a background with the XYZ color 65.4621, 80.8753, 32.5824.



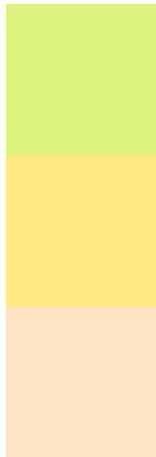
This preview shows how white text looks on a background with the XYZ color 65.4621, 80.8753,

32.5824.

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

65.4621, 80.8753, 32.5824

Protanopia

73.9274, 80.5055, 31.7214

Deuteranopia

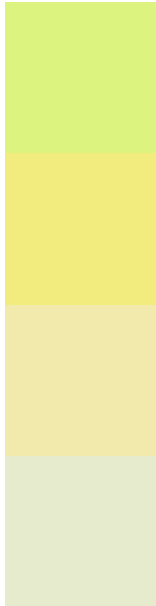
78.7871, 80.2294, 64.1566



Tritanopia

79.1718, 80.8634, 100.2423

Trichromacy



Original Color

65.4621, 80.8753, 32.5824

Protanomaly

70.4442, 80.4005, 31.8847

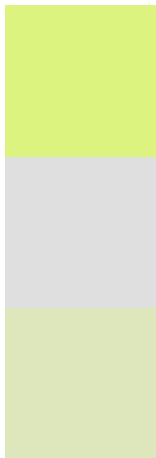
Deuteranomaly

73.2033, 80.1336, 50.6388

Tritanomaly

72.9205, 80.4343, 68.8088

Monochromacy



Original Color

65.4621, 80.8753, 32.5824

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

67.4981, 75.7541, 58.6414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4621, 80.8753, 32.5824 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(220, 243, 128)` looks like.

```
.text, #text, p{  
    color:rgb(220, 243, 128)  
}
```

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(220, 243, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 243, 128) }
```

Border

The CSS property to change the border of an element to XYZ 65.4621, 80.8753, 32.5824 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(220, 243, 128) }
```


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

```
.border{ border-color:rgb(220, 243, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 243, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 243, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 243, 128);  
box-shadow:4px 4px 4px 4px rgb(220, 243,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4621, 80.8753, 32.5824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 243, 128) }
```

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

```
.background{ background-color: rgb(220,  
243, 128) }
```

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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