

# Converting Colors

XYZ(51.4911, 66.7148, 26.4770)

Have a look what the booklet for  
XYZ(51.4911, 66.7148, 26.4770)  
contains.

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# Color

**XYZ(51.2771, 66.4493,  
26.3431)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDE273
RGB	189, 226, 115
RGB Percent	74%, 89%, 45%
CMY	0.2588, 0.1137, 0.5490
CMYK	0.16, 0.00, 0.49, 0.11
HSL	80°, 66%, 67%
HSV	80°, 49%, 89%
XYZ	51.2771, 66.4493, 26.3431
YIQ	202.2830, 13.5790, -42.3650

# Conversions

## Conversions Part 2

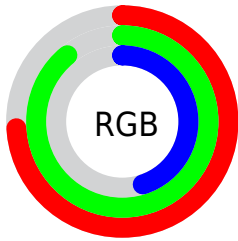
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 226, 152
Decimal	12444275
CIELab	85.23, -29.28, 49.90
CIElCh	85, 57.859, 120.402
Yxy	66.4493, 0.3559, 0.4612
Android (android.graphics.Color)	4290634355 (0xFFBDE273)
YUV	202.2830, -43.0305, -11.6492
Hunter-Lab	81.5164, -30.3701, 37.9012

# Details

The XYZ color **51.2771, 66.4493, 26.3431** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **32.8098, 24.4297, 74.9414**, and the grayscale version is **56.5718, 59.5179, 64.8150**.

A 20% lighter version of the original color is **81.2792, 94.1587, 51.4267**, and **25.1330, 34.4712, 10.0316** is the 20% darker color. If you saturate the color by 10%, you get **48.3126, 65.0555, 20.2284**, and if you desaturate by 10%, it is **54.6608, 68.0266, 34.1441**.

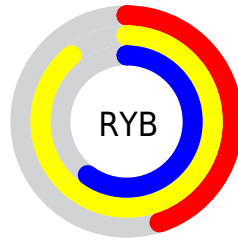
# Distribution



Red (74%)

Green (89%)

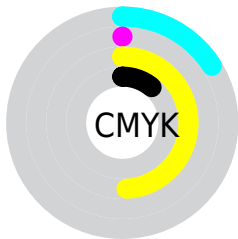
Blue (45%)



Red (45%)

Yellow (89%)

Blue (60%)

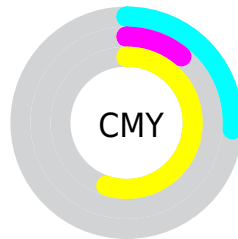


Cyan (16%)

Magenta (0%)

Yellow (49%)

Black (11%)



Cyan (26%)

Magenta (11%)

Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2771, 66.4493, 26.3431 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 51.2771, 66.4493, 26.3431 by changing the saturation by 10% instead.



■ 51.2771, 66.4493,  
26.3431

■ 51.2771, 66.4493,  
26.3431

382.0094,  
447.9820, 298.1212

■ 36.6511, 48.6372,  
16.8524

■ 91.2448, 114.1310,  
54.8188

■ 25.1099, 34.3318,  
9.9685

■ 117.3172,  
144.7693, 74.6409

■ 16.2881, 23.1486,  
5.2727

■ 147.9359,  
180.4519, 98.7439

■ 9.8204, 14.7033,  
2.3466

183.4660,  
221.5631, 127.5463

■ 5.3414, 8.6114,  
0.7572

224.2731,  
268.4874, 161.4667

■ 2.4857, 4.4886,  
0.0000

270.7225,

■ 0.8881, 1.9505,

321.6090, 200.9237

0.0000

323.1794,  
381.3124, 246.3356

0.0000, 0.5784,  
0.0000

0.0000, 0.0000,  
0.0000

51.2771, 66.4493,  
26.3431

51.2771, 66.4493,  
26.3431

48.3126, 65.0555,  
20.2284

54.6608, 68.0266,  
34.1441

45.7372, 63.8260,  
15.6707


58.4815, 69.7879,  
43.7396


43.5241, 62.7523,  
12.5292


62.7619, 71.7445,  
55.2335

41.6397, 61.8209,  
10.6353


67.5211, 73.9044,  
68.7207


 40.0321, 61.0106,  
9.7238


 72.7774, 76.2750,  
84.2898

 39.8974, 60.9424,  
9.6603

 78.5480, 78.8632,  
102.0240

 81.7769, 80.4470,  
105.8255

 84.4130, 81.8060,  
105.9488

 86.4878, 82.8756,  
106.0459

# Harmonies

## Analogous

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



62.9820, 66.4493, 21.6140



51.2771, 66.4493, 26.3431



43.7332, 66.4493, 42.3129

# Triad

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



51.2771, 66.4493, 26.3431



51.5432, 66.4493, 154.6892



91.7620, 66.4493, 71.8484

# Complementary

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



51.2771, 66.4493, 26.3431



32.8098, 24.4297, 74.9414

# 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.



87.6210, 66.4493, 114.0301



51.2771, 66.4493, 26.3431



63.3345, 66.4493, 170.7984

# Square

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



51.2771, 66.4493, 26.3431



43.8713, 66.4493, 115.2183



76.7456, 66.4493, 153.8529



87.4019, 66.4493, 41.7044



# Rectangle

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



51.2771, 66.4493, 26.3431



41.4822, 66.4493, 61.0050



76.7456, 66.4493, 153.8529



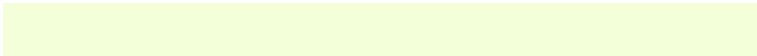
91.3124, 66.4493, 85.0254

# Sweetspot

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



51.2787, 66.4523, 26.3445



84.9551, 95.4380, 79.4190



45.6892, 39.8652, 21.5073



17.9056, 20.3012, 16.2184



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.



51.2787, 66.4523, 26.3445



63.4204, 85.4876, 26.4018



40.0451, 60.6611, 25.8188



14.4046, 15.7888, 14.5951



22.8910, 34.8333, 5.5170



1.6804, 2.4628, 0.3868



# Inverse Universe

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



32.8098, 24.4297, 74.9414



36.5171, 24.1713, 97.3486



45.7327, 31.0917, 75.5462



13.3804, 13.4641, 17.2813



9.6149, 4.0520, 41.3237



0.7591, 0.3286, 2.8687



# Previews

## White Background



This preview shows how the XYZ color 51.2771, 66.4493, 26.3431 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 51.2771, 66.4493, 26.3431 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 51.2771, 66.4493, 26.3431

## Background



This preview shows how black text looks on a background with the XYZ color 51.2771, 66.4493, 26.3431.



This preview shows how white text looks on a background with the XYZ color 51.2771, 66.4493,



# 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

51.2771, 66.4493, 26.3431

### Protanopia

60.5404, 66.2067, 24.3402

### Deuteranopia

66.8296, 65.6653, 31.3427



## Tritanopia

62.9790, 66.1390, 84.3097

# Trichromacy



## Original Color

51.2771, 66.4493, 26.3431

## Protanomaly

56.9095, 66.2181, 25.1112

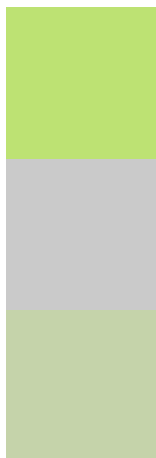
## Deuteranomaly

60.0152, 65.0838, 29.1380

## Tritanomaly

57.7017, 65.9158, 57.2588

# Monochromacy



## Original Color

51.2771, 66.4493, 26.3431

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

53.5759, 61.3611, 47.0503

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.2771, 66.4493, 26.3431 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(189, 226, 115)` looks like.

```
.text, #text, p{  
    color:rgb(189, 226, 115)  
}
```

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(189, 226, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 226, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2771, 66.4493, 26.3431 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(189, 226, 115) }
```



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

```
.border{ border-color:rgb(189, 226, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 226, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 226, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 226, 115);  
box-shadow:4px 4px 4px 4px rgb(189, 226,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2771, 66.4493, 26.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 226, 115) }
```

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

```
.background{ background-color: rgb(189,  
226, 115) }
```

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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