

Converting Colors

XYZ(31.6814, 53.6577, 21.3634)

Have a look what the booklet for
XYZ(31.6814, 53.6577, 21.3634)
contains.

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Color

**XYZ(31.6603, 53.6486,
21.2569)**

Conversions

Conversions Part 1

Format	Color
Hex	57DB66
RGB	87, 219, 102
RGB Percent	34%, 86%, 40%
CMY	0.6588, 0.1412, 0.6000
CMYK	0.60, 0.00, 0.53, 0.14
HSL	127°, 65%, 60%
HSV	127°, 60%, 86%
XYZ	31.6603, 53.6486, 21.2569
YIQ	166.1940, -41.1150, -64.3710

Conversions

Conversions Part 2

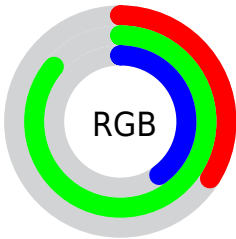
Format	Color
R_YB	87, 206, 219
Decimal	5757798
CIE _{Lab}	78.26, -59.68, 46.49
CIE _{LCh}	78, 75.647, 142.082
Yxy	53.6486, 0.2971, 0.5034
Android (android.graphics.Color)	4283947878 (0xFF57DB66)
YUV	166.1940, -31.6476, -69.4531
Hunter-Lab	73.2452, -51.0223, 34.0648

Details

The XYZ color **31.6603, 53.6486, 21.2569** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **43.5223, 26.2370, 59.8985**, and the grayscale version is **36.5032, 38.4042, 41.8222**.

A 20% lighter version of the original color is **53.8891, 80.1825, 43.6469**, and **13.6729, 26.4247, 7.3974** is the 20% darker color. If you saturate the color by 10%, you get **29.0649, 52.4107, 16.6856**, and if you desaturate by 10%, it is **35.1039, 55.3008, 27.0467**.

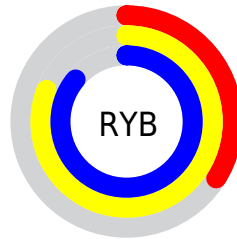
Distribution



Red (34%)

Green (86%)

Blue (40%)



Red (34%)

Yellow (81%)

Blue (86%)

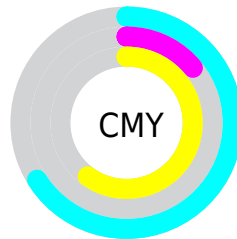


Cyan (60%)

Magenta (0%)

Yellow (53%)

Black (14%)



Cyan (66%)

Magenta (14%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6603, 53.6486, 21.2569 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 31.6603, 53.6486, 21.2569 by changing the saturation by 10% instead.

■ 31.6603, 53.6486,
21.2569

■ 31.6603, 53.6486,
21.2569

301.3417,
400.7686, 271.4664

■ 21.2565, 38.3208,
13.1188

■ 61.6470, 95.5581,
46.4010

■ 13.4251, 26.2318,
7.3787

■ 81.9605, 122.9086,
64.2442

■ 7.8009, 16.9971,
3.6181

■ 106.3079,
155.0354, 86.1594

■ 4.0186, 10.2324,
1.4182

■ 135.0547,
192.3230, 112.5654

■ 1.7126, 5.5533,
0.1559

168.5661,
235.1557, 143.8805

■ 0.4642, 2.5754,
0.0000

207.2075,

■ 0.0000, 0.9143,

283.9179, 180.5233

0.0000

251.3443,
338.9941, 222.9125

■ 0.0000, 0.0000,
0.0000

■ 31.6603, 53.6486,
21.2569

■ 31.6603, 53.6486,
21.2569

■ 29.0649, 52.4107,
16.6856

■ 35.1039, 55.3008,
27.0467

■ 27.2395, 51.5440,
13.2424

■ 39.4568, 57.3926,
34.1298

■ 26.0985, 51.0080,
10.8301

■ 44.7793, 59.9549,
42.5791

■ 25.5069, 50.7349,
9.3619

■ 51.1253, 63.0142,
52.4612

■ 58.5445, 66.5949,
63.8382

■ 67.0837, 70.7196,
76.7685

■ 76.7866, 75.4099,
91.3077

■ 84.6226, 79.1452,
105.4242

Harmonies

Analogous

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



41.0158, 53.6486, 10.7414



31.6603, 53.6486, 21.2569



27.6627, 53.6486, 47.8817

Triad

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



31.6603, 53.6486, 21.2569



47.1673, 53.6486, 182.1865



82.2013, 53.6486, 32.8016

Complementary

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



31.6603, 53.6486, 21.2569



43.5223, 26.2370, 59.8985

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.



84.7257, 53.6486, 70.3880



31.6603, 53.6486, 21.2569



62.4660, 53.6486, 171.2984

Square

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



31.6603, 53.6486, 21.2569



35.4138, 53.6486, 149.2910



76.9236, 53.6486, 124.2522



70.5747, 53.6486, 14.8005

Rectangle

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



31.6603, 53.6486, 21.2569



27.9024, 53.6486, 77.2056



76.9236, 53.6486, 124.2522



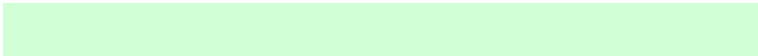
84.2226, 53.6486, 42.9499

Sweetspot

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



31.6616, 53.6508, 21.2581



74.2609, 89.9611, 77.2807



52.4521, 64.4470, 18.6921



15.2790, 18.9583, 15.5909



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.



31.6616, 53.6508, 21.2581



40.3314, 73.6521, 22.2768



36.1648, 55.4521, 44.9713



12.9464, 14.6302, 14.1807



15.1441, 30.0902, 5.6580



1.0017, 1.9576, 0.4749

Inverse Universe

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



43.5223, 26.2370, 59.8985



58.3893, 31.7658, 80.9970



37.3420, 23.7649, 27.3536



13.5473, 13.2480, 16.1434



23.1294, 11.2528, 31.3911



1.5170, 0.7364, 2.1312

Previews

White Background



This preview shows how the XYZ color 31.6603, 53.6486, 21.2569 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 31.6603, 53.6486, 21.2569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

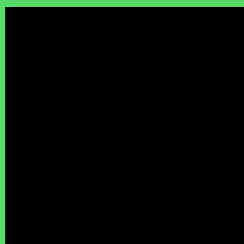
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6603, 53.6486, 21.2569

Background



This preview shows how black text looks on a background with the XYZ color 31.6603, 53.6486, 21.2569.

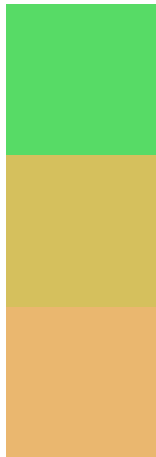


This preview shows how white text looks on a background with the XYZ color 31.6603, 53.6486,

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

31.6603, 53.6486, 21.2569

Protanopia

48.2660, 52.6357, 17.9717

Deuteranopia

53.7344, 52.5071, 22.3417



Tritanopia

42.8618, 53.3219, 77.8451

Trichromacy



Original Color

31.6603, 53.6486, 21.2569



Protanomaly

39.1682, 51.3011, 18.9040



Deuteranomaly

41.5028, 50.3863, 21.7255



Tritanomaly

37.4944, 52.9690, 50.8957

Monochromacy



Original Color

31.6603, 53.6486, 21.2569



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

32.6234, 41.9995, 32.3739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6603, 53.6486, 21.2569 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(87, 219, 102)` looks like.

```
.text, #text, p{  
    color:rgb(87, 219, 102)  
}
```

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(87, 219, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 219, 102) }
```

Border

The CSS property to change the border of an element to XYZ 31.6603, 53.6486, 21.2569 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(87, 219, 102) }
```


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

```
.border{ border-color:rgb(87, 219, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 219, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 219, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 219, 102);  
box-shadow:4px 4px 4px 4px rgb(87, 219,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6603, 53.6486, 21.2569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 219, 102) }
```

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

```
.background{ background-color: rgb(87, 219,  
102) }
```

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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