

Converting Colors

XYZ(31.1705, 54.3713, 27.7555)

Have a look what the booklet for
XYZ(31.1705, 54.3713, 27.7555)
contains.

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Color

**XYZ(31.2276, 54.4547,
27.9337)**

Conversions

Conversions Part 1

Format	Color
Hex	35DE7C
RGB	53, 222, 124
RGB Percent	21%, 87%, 49%
CMY	0.7921, 0.1294, 0.5137
CMYK	0.76, 0.00, 0.44, 0.13
HSL	145°, 72%, 54%
HSV	145°, 76%, 87%
XYZ	31.2276, 54.4547, 27.9337
YIQ	160.2970, -69.2660, -66.3060

Conversions

Conversions Part 2

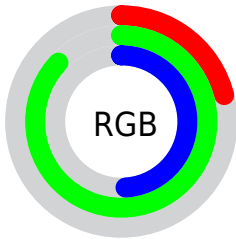
Format	Color
RYB	53, 172, 222
Decimal	3530364
CIELab	78.73, -63.29, 36.24
CIELCh	79, 72.929, 150.205
Yxy	54.4547, 0.2749, 0.4793
Android (android.graphics.Color)	4281720444 (0xFF35DE7C)
YUV	160.2970, -17.8944, -94.0995
Hunter-Lab	73.7934, -53.6016, 29.2118

Details

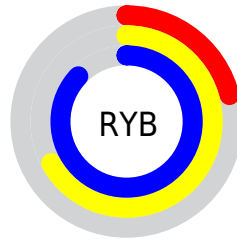
The XYZ color **31.2276, 54.4547, 27.9337** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark muted spring green. A complement of this color would be **36.9850, 20.3113, 31.2516**, and the grayscale version is **33.6551, 35.4077, 38.5590**.

A 20% lighter version of the original color is **52.1081, 79.0194, 54.6254**, and **14.6577, 27.3913, 10.8178** is the 20% darker color. If you saturate the color by 10%, you get **29.5578, 53.6834, 23.8802**, and if you desaturate by 10%, it is **33.5465, 55.5513, 32.5748**.

Distribution



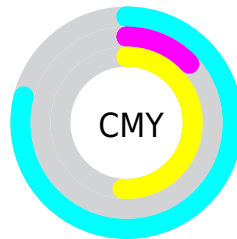
- Red (21%)
- Green (87%)
- Blue (49%)



- Red (21%)
- Yellow (67%)
- Blue (87%)



- Cyan (76%)
- Magenta (0%)
- Yellow (44%)
- Black (13%)





- Cyan (79%)
- Magenta (13%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2276, 54.4547, 27.9337 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 31.2276, 54.4547, 27.9337 by changing the saturation by 10% instead.


 31.2276, 54.4547,
27.9337


 31.2276, 54.4547,
27.9337


299.3937,
403.8416, 306.0519


 20.9249, 38.9653,
18.0371


 60.9716, 96.7415,
57.4004


 13.1813, 26.7327,
10.8069


 81.1437, 124.3078,
77.8076


 7.6313, 17.3726,
5.8246


 105.3362,
156.6684, 102.5553

 3.9098, 10.5005,
2.6717

 133.9146,
194.2079, 132.0622

 1.6512, 5.7320,
0.9291

 167.2442,
237.3105, 166.7468

 0.4254, 2.6828,
0.0000

205.6903,

 0.0000, 0.9685,

286.3608, 207.0276

0.0000

249.6184,
341.7430, 253.3231

■ 0.0000, 0.0000,
0.0000

■ 31.2276, 54.4547,
27.9337

■ 31.2276, 54.4547,
27.9337

■ 29.5578, 53.6834,
23.8802

■ 33.5465, 55.5513,
32.5748

■ 28.4467, 53.1868,
20.3853

■ 36.5802, 57.0023,
37.8234

■ 28.1099, 53.0396,
19.1740

■ 40.3906, 58.8404,
43.7025

■ 45.0312, 61.0930,
50.2329

■ 50.5506, 63.7847,
57.4346

■ 56.9937, 66.9382,
65.3262

■ 64.4021, 70.5747,
73.9260

■ 72.8148, 74.7139,
83.2513

■ 82.2687, 79.3745,
93.3190

Harmonies

Analogous

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



39.0210, 54.4547, 13.7306



31.2276, 54.4547, 27.9337



28.6824, 54.4547, 59.5765

Triad

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



31.2276, 54.4547, 27.9337



51.8568, 54.4547, 179.4658



79.6164, 54.4547, 27.6368

Complementary

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



31.2276, 54.4547, 27.9337



36.9850, 20.3113, 31.2516

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.



84.7400, 54.4547, 59.0083



31.2276, 54.4547, 27.9337



67.0017, 54.4547, 157.8345

Square

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



31.2276, 54.4547, 27.9337



39.1635, 54.4547, 158.3808



79.7487, 54.4547, 108.1647



66.7979, 54.4547, 13.6237

Rectangle

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



31.2276, 54.4547, 27.9337



29.8492, 54.4547, 91.1730



79.7487, 54.4547, 108.1647



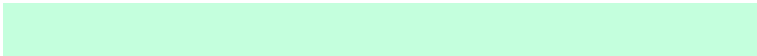
82.3915, 54.4547, 35.8724

Sweetspot

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



31.2290, 54.4569, 27.9349



71.6658, 88.5227, 81.7086



39.6368, 59.1373, 12.6942



14.6910, 18.6305, 16.6760



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.



31.2290, 54.4569, 27.9349



39.5289, 73.0683, 29.9287



38.9661, 57.5518, 68.6782



13.7665, 15.4323, 15.8055



16.7488, 31.5244, 11.6662



1.2049, 2.2027, 1.0401

Inverse Universe

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



36.9850, 20.3113, 31.2516



47.6751, 24.3227, 34.3106



32.4144, 18.4831, 7.1831



14.0388, 13.8332, 15.9746



20.2930, 10.1842, 13.4748



1.4510, 0.7237, 1.1678

Previews

White Background



This preview shows how the XYZ color 31.2276, 54.4547, 27.9337 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 31.2276, 54.4547, 27.9337 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

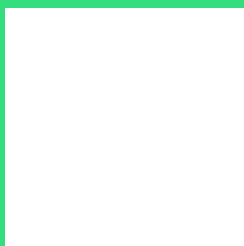
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2276, 54.4547, 27.9337

Background



This preview shows how black text looks on a background with the XYZ color 31.2276, 54.4547, 27.9337.



This preview shows how white text looks on a background with the XYZ color 31.2276, 54.4547,

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

31.2276, 54.4547, 27.9337

Protanopia

49.2020, 53.3292, 23.3231

Deuteranopia

54.5376, 53.3803, 29.6193



Tritanopia

41.6310, 54.0721, 80.9158

Trichromacy



Original Color

31.2276, 54.4547, 27.9337



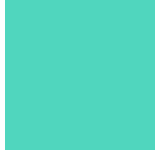
Protanomaly

38.1302, 51.3401, 24.7296



Deuteranomaly

39.9492, 50.1069, 28.6851



Tritanomaly

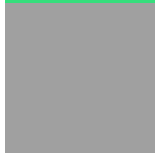
36.6491, 53.5163, 57.1133

Monochromacy



Original Color

31.2276, 54.4547, 27.9337



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.0851, 40.0385, 33.7463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2276, 54.4547, 27.9337 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(53, 222, 124)` looks like.

```
.text, #text, p{  
    color:rgb(53, 222, 124)  
}
```

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(53, 222, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 222, 124) }
```

Border

The CSS property to change the border of an element to XYZ 31.2276, 54.4547, 27.9337 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(53, 222, 124) }
```


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

```
.border{ border-color:rgb(53, 222, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 222, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 222, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 222, 124);  
box-shadow:4px 4px 4px 4px rgb(53, 222,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2276, 54.4547, 27.9337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 222, 124) }
```

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

```
.background{ background-color: rgb(53, 222,  
124) }
```

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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