

Converting Colors

XYZ(31.5114, 52.6431, 24.0970)

Have a look what the booklet for
XYZ(31.5114, 52.6431, 24.0970)
contains.

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Color

**XYZ(31.5398, 52.7493,
24.1421)**

Conversions

Conversions Part 1

Format	Color
Hex	55D971
RGB	85, 217, 113
RGB Percent	33%, 85%, 44%
CMY	0.6667, 0.1490, 0.5569
CMYK	0.61, 0.00, 0.48, 0.15
HSL	133°, 63%, 59%
HSV	133°, 61%, 85%
XYZ	31.5398, 52.7493, 24.1421
YIQ	165.6760, -45.2880, -60.3280

Conversions

Conversions Part 2

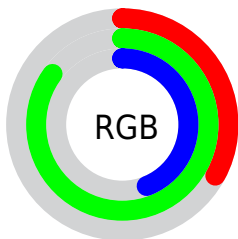
Format	Color
RYB	85, 194, 217
Decimal	5626225
CIELab	77.73, -57.83, 40.55
CIELCh	78, 70.632, 144.966
Yxy	52.7493, 0.2909, 0.4865
Android (android.graphics.Color)	4283816305 (0xFF55D971)
YUV	165.6760, -25.9693, -70.7529
Hunter-Lab	72.6287, -49.5847, 31.1318

Details

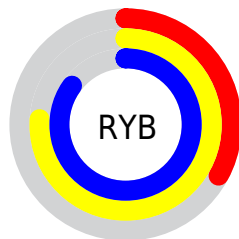
The XYZ color **31.5398, 52.7493, 24.1421** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **41.0506, 24.9237, 50.7926**, and the grayscale version is **36.2272, 38.1138, 41.5059**.

A 20% lighter version of the original color is **54.4970, 80.3842, 48.7198**, and **13.6144, 25.8375, 8.8270** is the 20% darker color. If you saturate the color by 10%, you get **28.9900, 51.5373, 19.4634**, and if you desaturate by 10%, it is **34.8775, 54.3495, 29.8066**.

Distribution



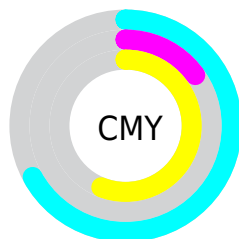
- Red (33%)
- Green (85%)
- Blue (44%)



- Red (33%)
- Yellow (76%)
- Blue (85%)



- Cyan (61%)
- Magenta (0%)
- Yellow (48%)
- Black (15%)



- Cyan (67%)
- Magenta (15%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5398, 52.7493, 24.1421 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 31.5398, 52.7493, 24.1421 by changing the saturation by 10% instead.

■ 31.5398, 52.7493,
24.1421

■ 31.5398, 52.7493,
24.1421

300.8002,
397.3225, 286.8478

■ 21.1641, 37.6027,
15.2259

■ 61.4590, 94.2354,
51.2087

■ 13.3571, 25.6745,
8.8297

■ 81.7332, 121.3436,
70.1962

■ 7.7536, 16.5803,
4.5350

■ 106.0376,
153.2078, 93.3779

■ 3.9882, 9.9357,
1.9232

■ 134.7376,
190.2124, 121.1723

■ 1.6954, 5.3563,
0.5074

168.1985,
232.7418, 153.9979

■ 0.4534, 2.4578,
0.0000

206.7856,

■ 0.0000, 0.8554,

281.1803, 192.2733

0.0000

250.8644,
335.9125, 236.4171

■ 0.0000, 0.0000,
0.0000

■ 31.5398, 52.7493,
24.1421

■ 31.5398, 52.7493,
24.1421

■ 28.9900, 51.5373,
19.4634

■ 34.8775, 54.3495,
29.8066

■ 27.1568, 50.6734,
15.7103

■ 39.0585, 56.3610,
36.5051

■ 25.9620, 50.1201,
12.8219

■ 44.1379, 58.8125,
44.2870

■ 25.3077, 49.8253,
10.8716

■ 50.1646, 61.7284,
53.1977

■ 57.1842, 65.1313,
63.2796

■ 65.2392, 69.0422,
74.5731

■ 74.3695, 73.4809,
87.1168

■ 83.2747, 77.7761,
100.8847

■ 84.1039, 78.1078,
105.2513

Harmonies

Analogous

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



39.8361, 52.7493, 12.6405



31.5398, 52.7493, 24.1421



28.2386, 52.7493, 51.0773

Triad

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



31.5398, 52.7493, 24.1421



47.8645, 52.7493, 169.8617



77.9543, 52.7493, 31.1507

Complementary

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



31.5398, 52.7493, 24.1421



41.0506, 24.9237, 50.7926

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.



81.1590, 52.7493, 64.2996



31.5398, 52.7493, 24.1421



62.0754, 52.7493, 156.3361

Square

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



31.5398, 52.7493, 24.1421



36.5052, 52.7493, 143.8046



74.8984, 52.7493, 112.4235



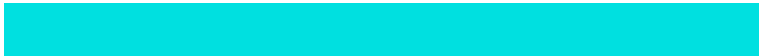
66.7983, 52.7493, 15.2055

Rectangle

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



31.5398, 52.7493, 24.1421



28.7812, 52.7493, 79.1625



74.8984, 52.7493, 112.4235



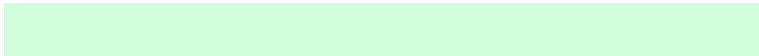
80.0739, 52.7493, 40.0983

Sweetspot

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



31.5411, 52.7515, 24.1433



74.8475, 90.1958, 80.3699



47.8399, 61.3087, 17.9069



15.4194, 19.0145, 16.3302



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.



31.5411, 52.7515, 24.1433



40.9284, 73.8697, 26.3830



36.5364, 54.7496, 50.4480



12.9990, 14.6512, 14.4576



15.3509, 30.1730, 6.7474



1.0264, 1.9675, 0.6053

Inverse Universe

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



41.0506, 24.9237, 50.7926



55.6906, 30.4305, 67.5739



35.5414, 22.7200, 21.7811



13.4899, 13.2251, 15.8412



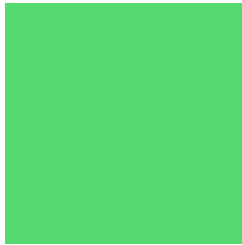
21.8101, 10.7251, 24.4436



1.4432, 0.7069, 1.7425

Previews

White Background



This preview shows how the XYZ color 31.5398, 52.7493, 24.1421 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 31.5398, 52.7493, 24.1421 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

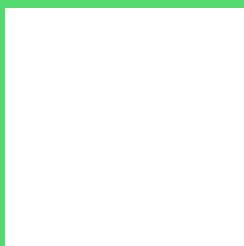
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5398, 52.7493, 24.1421

Background



This preview shows how black text looks on a background with the XYZ color 31.5398, 52.7493, 24.1421.



This preview shows how white text looks on a background with the XYZ color 31.5398, 52.7493,

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

31.5398, 52.7493, 24.1421

Protanopia

47.7078, 51.9627, 20.6120

Deuteranopia

52.8739, 51.6840, 25.6016



Tritanopia

41.9527, 52.5279, 76.3344

Trichromacy



Original Color

31.5398, 52.7493, 24.1421



Protanomaly

38.8252, 50.3694, 21.5859



Deuteranomaly

40.9763, 49.7092, 24.8879



Tritanomaly

36.9529, 51.9214, 52.3302

Monochromacy



Original Color

31.5398, 52.7493, 24.1421



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

32.9319, 42.1229, 33.9986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5398, 52.7493, 24.1421 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(85, 217, 113)` looks like.

```
.text, #text, p{  
    color:rgb(85, 217, 113)  
}
```

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(85, 217, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 217, 113) }
```

Border

The CSS property to change the border of an element to XYZ 31.5398, 52.7493, 24.1421 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(85, 217, 113) }
```


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

```
.border{ border-color:rgb(85, 217, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 217, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 217, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 217, 113);  
box-shadow:4px 4px 4px 4px rgb(85, 217,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5398, 52.7493, 24.1421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 217, 113) }
```

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

```
.background{ background-color: rgb(85, 217,  
113) }
```

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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