

Converting Colors

XYZ(31.0000, 56.5690, 24.7974)

Have a look what the booklet for
XYZ(31.0000, 56.5690, 24.7974)
contains.

XYZ(30.9286, 56.3773, 24.8746)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.9286, 56.3773,
24.8746)**

Conversions

Conversions Part 1

Format	Color
Hex	1CE371
RGB	28, 227, 113
RGB Percent	11%, 89%, 44%
CMY	0.8902, 0.1098, 0.5569
CMYK	0.88, 0.00, 0.50, 0.11
HSL	146°, 78%, 50%
HSV	146°, 88%, 89%
XYZ	30.9286, 56.3773, 24.8746
YIQ	154.5030, -82.0100, -77.6420

Conversions

Conversions Part 2

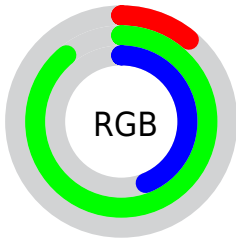
Format	Color
R_{YB}	28, 167, 227
Decimal	1893233
CIE _{Lab}	79.83, -69.14, 42.96
CIE _{LCh}	80, 81.401, 148.148
Yxy	56.3773, 0.2757, 0.5026
Android (android.graphics.Color)	4280083313 (0xFF1CE371)
YUV	154.5030, -20.4610, -110.9431
Hunter-Lab	75.0848, -57.8715, 32.9174

Details

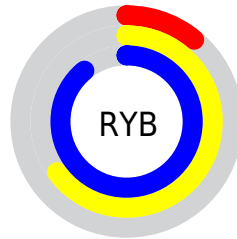
The XYZ color **30.9286, 56.3773, 24.8746** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **36.9781, 19.1154, 27.3342**, and the grayscale version is **31.0511, 32.6682, 35.5756**.

A 20% lighter version of the original color is **49.6745, 77.8874, 48.9749**, and **15.2442, 29.0973, 9.3703** is the 20% darker color. If you saturate the color by 10%, you get **29.8367, 55.8946, 21.2725**, and if you desaturate by 10%, it is **32.5870, 57.1430, 29.0534**.

Distribution



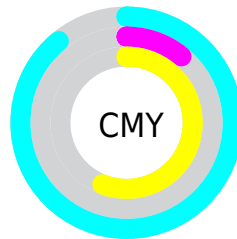
- Red (11%)
- Green (89%)
- Blue (44%)



- Red (11%)
- Yellow (65%)
- Blue (89%)



- Cyan (88%)
- Magenta (0%)
- Yellow (50%)
- Black (11%)





- Cyan (89%)
- Magenta (11%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9286, 56.3773, 24.8746 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 30.9286, 56.3773, 24.8746 by changing the saturation by 10% instead.


 30.9286, 56.3773,
24.8746


 30.9286, 56.3773,
24.8746


298.0420,
411.1118, 290.6405

 20.6960, 40.5055,
15.7655


 60.5042, 99.5560,
52.4153


 13.0132, 27.9329,
9.2058

 80.5781, 127.6317,
71.6840


 7.5147, 18.2751,
4.7770


 104.6630,
160.5442, 95.1763

 3.8352, 11.1477,
2.0606

 133.1244,
198.6778, 123.3107

 1.6093, 6.1662,
0.5922

 166.3277,
242.4170, 156.5058

 0.3985, 2.9464,
0.0000

204.6381,

 0.0000, 1.1038,

292.1462, 195.1801

0.0000

248.4211,
348.2496, 239.7521

■ 0.0000, 0.0000,
0.0000

■ 30.9286, 56.3773,
24.8746

■ 30.9286, 56.3773,
24.8746

■ 29.8367, 55.8946,
21.2725

■ 32.5870, 57.1430,
29.0534

■ 29.6260, 55.8026,
20.5090

■ 34.9097, 58.2371,
33.8316

■ 37.9741, 59.7004,
39.2347

■ 41.8448, 61.5660,
45.2852

■ 46.5795, 63.8630,
52.0045

■ 52.2301, 66.6178,
59.4130

■ 58.8443, 69.8548,
67.5300

■ 66.4665, 73.5963,
76.3742

■ 75.1381, 77.8634,
85.9634

Harmonies

Analogous

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



39.9863, 56.3773, 11.1062



30.9286, 56.3773, 24.8746



27.7486, 56.3773, 58.4991

Triad

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



30.9286, 56.3773, 24.8746



52.5674, 56.3773, 204.0509



86.6534, 56.3773, 27.7611

Complementary

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



30.9286, 56.3773, 24.8746



36.9781, 19.1154, 27.3342

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.



91.8948, 56.3773, 64.3649



30.9286, 56.3773, 24.8746



69.9624, 56.3773, 181.1698

Square

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



30.9286, 56.3773, 24.8746



38.5448, 56.3773, 175.2024



85.2503, 56.3773, 122.7942



72.1026, 56.3773, 12.0710

Rectangle

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



30.9286, 56.3773, 24.8746



28.7663, 56.3773, 94.2029



85.2503, 56.3773, 122.7942



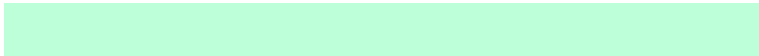
89.6787, 56.3773, 37.2406

Sweetspot

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



30.9300, 56.3796, 24.8759



69.1987, 87.3112, 78.8639



39.1967, 60.9614, 10.7998



14.2187, 18.3987, 16.1281



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.



30.9300, 56.3796, 24.8759



38.5159, 72.6224, 26.4323



39.6345, 59.8614, 70.7134



14.4435, 16.1908, 16.6005



17.3330, 32.5653, 12.2539



1.3266, 2.4247, 1.1463

Inverse Universe

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



36.9781, 19.1154, 27.3342



46.4347, 23.3379, 29.2849



32.5609, 17.3486, 4.0737



14.7213, 14.5057, 16.7327



20.8861, 10.4887, 13.5611



1.5897, 0.7936, 1.2459

Previews

White Background



This preview shows how the XYZ color 30.9286, 56.3773, 24.8746 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 30.9286, 56.3773, 24.8746 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

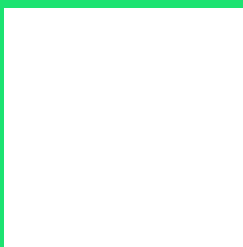
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9286, 56.3773, 24.8746

Background



This preview shows how black text looks on a background with the XYZ color 30.9286, 56.3773, 24.8746.



This preview shows how white text looks on a background with the XYZ color 30.9286, 56.3773,

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

30.9286, 56.3773, 24.8746

Protanopia

50.4571, 55.0381, 20.5344

Deuteranopia

56.2705, 54.9752, 26.3844



Tritanopia

42.6868, 56.0363, 84.1676

Trichromacy



Original Color

30.9286, 56.3773, 24.8746



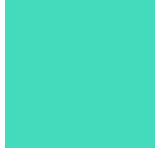
Protanomaly

37.1271, 51.9622, 21.7086



Deuteranomaly

39.1482, 51.1500, 25.2624



Tritanomaly

36.7234, 55.4872, 56.3515

Monochromacy



Original Color

30.9286, 56.3773, 24.8746



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.5642, 38.1924, 30.7300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9286, 56.3773, 24.8746 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(28, 227, 113)` looks like.

```
.text, #text, p{  
    color:rgb(28, 227, 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(28, 227, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 227, 113) }
```

Border

The CSS property to change the border of an element to XYZ 30.9286, 56.3773, 24.8746 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(28, 227, 113) }
```


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

```
.border{ border-color:rgb(28, 227, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 227, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 227, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 227, 113);  
box-shadow:4px 4px 4px 4px rgb(28, 227,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9286, 56.3773, 24.8746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 227, 113) }
```

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

```
.background{ background-color: rgb(28, 227,  
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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