

Converting Colors

XYZ(29.6232, 52.0556, 30.7199)

Have a look what the booklet for
XYZ(29.6232, 52.0556, 30.7199)
contains.

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Color

**XYZ(29.5736, 51.9747,
30.6637)**

Conversions

Conversions Part 1

Format	Color
Hex	13DA85
RGB	19, 218, 133
RGB Percent	7%, 85%, 52%
CMY	0.9254, 0.1451, 0.4784
CMYK	0.91, 0.00, 0.39, 0.15
HSL	154°, 84%, 46%
HSV	154°, 91%, 85%
XYZ	29.5736, 51.9747, 30.6637
YIQ	148.8090, -91.3190, -68.6230

Conversions

Conversions Part 2

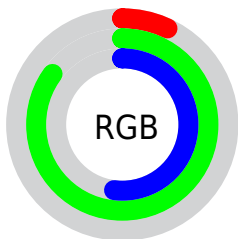
Format	Color
RYB	19, 146, 218
Decimal	1301125
CIELab	77.27, -63.20, 29.71
CIELCh	77, 69.830, 154.822
Yxy	51.9747, 0.2636, 0.4632
Android (android.graphics.Color)	4279491205 (0xFF13DA85)
YUV	148.8090, -7.7938, -113.8425
Hunter-Lab	72.0935, -52.9408, 25.2475

Details

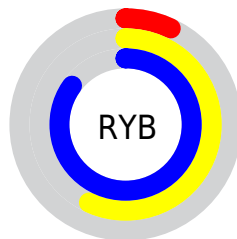
The XYZ color **29.5736, 51.9747, 30.6637** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **31.6470, 16.3719, 14.5924**, and the grayscale version is **28.5482, 30.0349, 32.7080**.

A 20% lighter version of the original color is **51.0363, 78.3591, 59.4486**, and **14.4433, 26.4499, 12.3267** is the 20% darker color. If you saturate the color by 10%, you get **28.7664, 51.6223, 27.8102**, and if you desaturate by 10%, it is **30.8855, 52.5747, 34.2353**.

Distribution



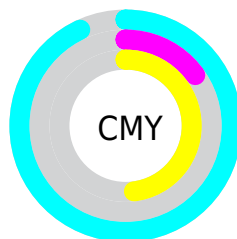
- Red (7%)
- Green (85%)
- Blue (52%)



- Red (7%)
- Yellow (57%)
- Blue (85%)



- Cyan (91%)
- Magenta (0%)
- Yellow (39%)
- Black (15%)





- Cyan (93%)
- Magenta (15%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5736, 51.9747, 30.6637 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 29.5736, 51.9747, 30.6637 by changing the saturation by 10% instead.


 29.5736, 51.9747,
30.6637


 29.5736, 51.9747,
30.6637


291.8574,
394.3389, 319.2891


 19.6616, 36.9849,
20.0866


 58.3785, 93.0939,
61.7836


 12.2561, 25.1958,
12.2733


 78.0021, 119.9922,
83.1634


 6.9918, 16.2230,
6.8053


 101.5936,
151.6286, 108.9812

 3.5033, 9.6821,
3.2640

 129.5184,
188.3878, 139.6556

 1.4252, 5.1887,
1.2310

 162.1418,
230.6540, 175.6050

 0.2740, 2.3584,
0.0042

199.8292,

 0.0000, 0.8044,

278.8117, 217.2480

0.0000

242.9460,
333.2452, 265.0032

■ 0.0000, 0.0000,
0.0000

■ 29.5736, 51.9747,
30.6637

■ 29.5736, 51.9747,
30.6637

■ 28.7664, 51.6223,
27.8102

■ 30.8855, 52.5747,
34.2353

■ 32.7346, 53.4435,
38.1361

■ 35.1932, 54.6197,
42.3778

■ 38.3211, 56.1338,
46.9701

■ 42.1703, 58.0125,
51.9222

■ 46.7877, 60.2798,
57.2427

■ 52.2159, 62.9577,
62.9399

■ 58.4944, 66.0663,
69.0218

■ 65.6600, 69.6244,
75.4961

Harmonies

Analogous

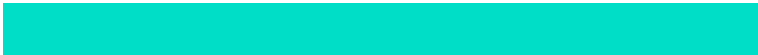
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.1103, 51.9747, 15.0800



29.5736, 51.9747, 30.6637



27.9323, 51.9747, 63.0176

Triad

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



29.5736, 51.9747, 30.6637



51.5960, 51.9747, 166.4326



73.6906, 51.9747, 24.0687

Complementary

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



29.5736, 51.9747, 30.6637



31.6470, 16.3719, 14.5924

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.



79.7487, 51.9747, 50.6180



29.5736, 51.9747, 30.6637



65.6066, 51.9747, 141.2569

Square

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



29.5736, 51.9747, 30.6637



39.2377, 51.9747, 152.9696



76.5518, 51.9747, 94.1092



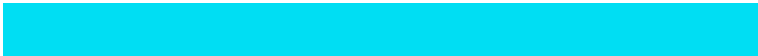
61.1818, 51.9747, 12.6567

Rectangle

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



29.5736, 51.9747, 30.6637



29.5255, 51.9747, 93.5267



76.5518, 51.9747, 94.1092



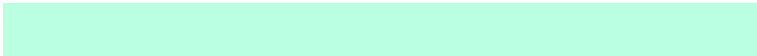
76.6425, 51.9747, 30.9410

Sweetspot

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



29.5749, 51.9768, 30.6649



69.7174, 87.4464, 84.8612



31.0441, 53.2097, 9.2509



14.3750, 18.4474, 17.5754



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.



29.5749, 51.9768, 30.6649



40.9541, 73.5976, 39.2716



34.6927, 48.7379, 73.9110



13.1975, 14.7306, 15.5032



17.2884, 30.9480, 16.9497



1.1628, 2.0221, 1.3236

Inverse Universe

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



31.6470, 16.3719, 14.5924



43.9963, 22.3625, 16.4446



29.5562, 16.0011, 2.1474



13.2857, 13.1434, 14.7659



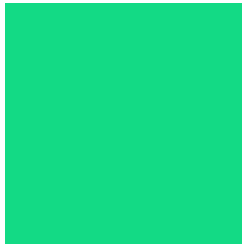
18.5606, 9.4253, 7.3319



1.2450, 0.6276, 0.6991

Previews

White Background



This preview shows how the XYZ color 29.5736, 51.9747, 30.6637 looks on a white background.

Color Contrast Check

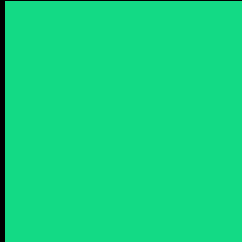
Large Text (above 18pt) WCAG AA × Fail

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 29.5736, 51.9747, 30.6637 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

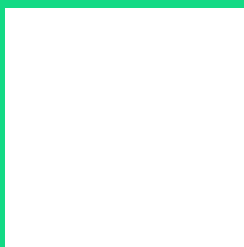
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5736, 51.9747, 30.6637

Background



This preview shows how black text looks on a background with the XYZ color 29.5736, 51.9747, 30.6637.

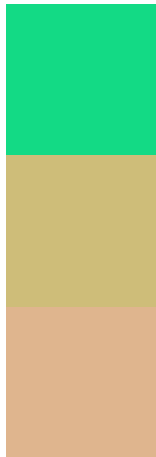


This preview shows how white text looks on a background with the XYZ color 29.5736, 51.9747,

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

29.5736, 51.9747, 30.6637

Protanopia

47.1024, 50.8975, 25.4308

Deuteranopia

51.8378, 50.6887, 32.6429



Tritanopia

39.0756, 51.7129, 78.4431

Trichromacy



Original Color

29.5736, 51.9747, 30.6637



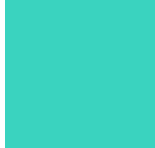
Protanomaly

34.8372, 48.1925, 26.8680



Deuteranomaly

36.3464, 46.8372, 31.5509



Tritanomaly

34.4432, 51.2497, 57.3670

Monochromacy



Original Color

29.5736, 51.9747, 30.6637



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

25.5735, 35.0801, 31.4099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5736, 51.9747, 30.6637 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(19, 218, 133)` looks like.

```
.text, #text, p{  
    color:rgb(19, 218, 133)  
}
```

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(19, 218, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 218, 133) }
```

Border

The CSS property to change the border of an element to XYZ 29.5736, 51.9747, 30.6637 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(19, 218, 133) }
```


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

```
.border{ border-color:rgb(19, 218, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 218, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 218, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 218, 133);  
box-shadow:4px 4px 4px 4px rgb(19, 218,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5736, 51.9747, 30.6637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 218, 133) }
```

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

```
.background{ background-color: rgb(19, 218,  
133) }
```

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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