

Converting Colors

XYZ(33.2278, 53.1986, 26.6253)

Have a look what the booklet for
XYZ(33.2278, 53.1986, 26.6253)
contains.

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Color

**XYZ(33.2626, 53.2015,
26.6050)**

Conversions

Conversions Part 1

Format	Color
Hex	64D879
RGB	100, 216, 121
RGB Percent	39%, 85%, 47%
CMY	0.6078, 0.1529, 0.5255
CMYK	0.54, 0.00, 0.44, 0.15
HSL	131°, 60%, 62%
HSV	131°, 54%, 85%
XYZ	33.2626, 53.2015, 26.6050
YIQ	170.4860, -38.6410, -54.1370

Conversions

Conversions Part 2

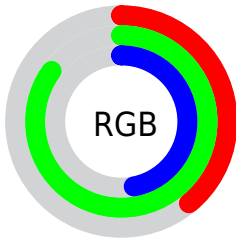
Format	Color
RYB	100, 198, 216
Decimal	6609017
CIELab	77.99, -52.79, 37.02
CIELCh	78, 64.482, 144.959
Yxy	53.2015, 0.2942, 0.4705
Android (android.graphics.Color)	4284799097 (0xFF64D879)
YUV	170.4860, -24.3966, -61.8162
Hunter-Lab	72.9394, -46.2424, 29.4312

Details

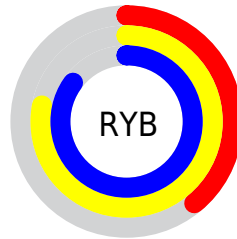
The XYZ color **33.2626, 53.2015, 26.6050** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **42.7280, 27.6544, 54.7172**, and the grayscale version is **38.5843, 40.5937, 44.2066**.

A 20% lighter version of the original color is **57.5984, 81.8842, 53.3269**, and **14.3035, 25.9071, 10.0411** is the 20% darker color. If you saturate the color by 10%, you get **30.1957, 51.7360, 21.3090**, and if you desaturate by 10%, it is **37.1644, 55.0774, 32.9807**.

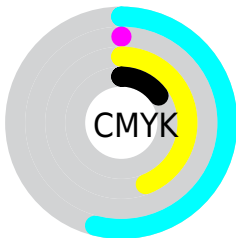
Distribution



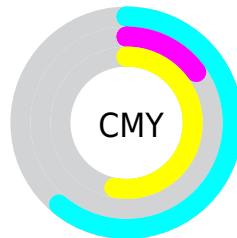
- Red (39%)
- Green (85%)
- Blue (47%)



- Red (39%)
- Yellow (78%)
- Blue (85%)



- Cyan (54%)
- Magenta (0%)
- Yellow (44%)
- Black (15%)





- Cyan (61%)
- Magenta (15%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2626, 53.2015, 26.6050 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 33.2626, 53.2015, 26.6050 by changing the saturation by 10% instead.


 33.2626, 53.2015,
26.6050


 33.2626, 53.2015,
26.6050


308.4755,
399.0577, 299.4389

 22.4879, 37.9637,
17.0470


 64.1372, 94.9008,
55.2454


 14.3344, 25.9545,
10.1057


 84.9679, 122.1311,
75.1648

 8.4369, 16.7896,
5.3626


 109.8812,
154.1276, 99.3751

 4.4299, 10.0846,
2.3991

 139.2425,
191.2747, 128.2949

 1.9481, 5.4551,
0.7859

173.4173,
233.9569, 162.3426

 0.6046, 2.5167,
0.0000

212.7708,

 0.0000, 0.8850,

282.5585, 201.9368

0.0000

257.6684,
337.4640, 247.4961

■ 0.0000, 0.0000,
0.0000

■ 33.2626, 53.2015,
26.6050

■ 33.2626, 53.2015,
26.6050

■ 30.1957, 51.7360,
21.3090

■ 37.1644, 55.0774,
32.9807

■ 27.8974, 50.6436,
17.0295

■ 41.9528, 57.3847,
40.4878

■ 26.2982, 49.8911,
13.7021

■ 47.6799, 60.1508,
49.1786

■ 25.3128, 49.4363,
11.2533

■ 54.3927, 63.3986,
59.1014

■ 24.9248, 49.2609,
10.1233

■ 62.1350, 67.1500,
70.3018

■ 70.9477, 71.4252,
82.8228

■ 80.8699, 76.2432,
96.7056

■ 83.8469, 77.5937,
105.1656

Harmonies

Analogous

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



41.0472, 53.2015, 15.1329



33.2626, 53.2015, 26.6050



30.1271, 53.2015, 52.0614

Triad

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



33.2626, 53.2015, 26.6050



48.4744, 53.2015, 157.7153



75.7663, 53.2015, 33.3742

Complementary

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



33.2626, 53.2015, 26.6050



42.7280, 27.6544, 54.7172

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.



78.6319, 53.2015, 64.2182



33.2626, 53.2015, 26.6050



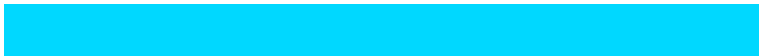
61.4541, 53.2015, 145.9509

Square

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



33.2626, 53.2015, 26.6050



37.9319, 53.2015, 134.9872



73.0222, 53.2015, 107.3902



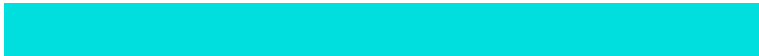
65.7346, 53.2015, 17.7542

Rectangle

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



33.2626, 53.2015, 26.6050



30.6433, 53.2015, 77.6721



73.0222, 53.2015, 107.3902



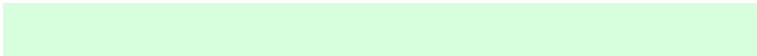
77.6630, 53.2015, 41.8491

Sweetspot

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



33.2639, 53.2037, 26.6062



76.6794, 91.0980, 82.3593



49.7969, 61.8597, 21.3725



15.9680, 19.2836, 16.9734



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.



33.2639, 53.2037, 26.6062



43.6261, 75.1740, 30.4113



37.7820, 55.0109, 50.3979



12.3533, 13.9323, 13.6750



14.7810, 29.1677, 6.1425



0.9197, 1.7705, 0.5186

Inverse Universe

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



42.7280, 27.6544, 54.7172



58.7025, 34.3407, 75.0938



37.5134, 25.5686, 27.2575



12.8521, 12.5923, 15.1612



21.4896, 10.5322, 25.6800



1.3219, 0.6455, 1.6844

Previews

White Background



This preview shows how the XYZ color 33.2626, 53.2015, 26.6050 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 33.2626, 53.2015, 26.6050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

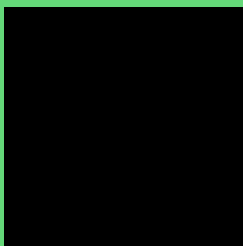
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

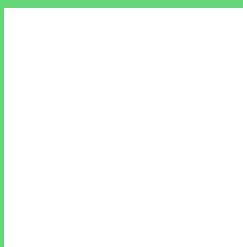
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2626, 53.2015, 26.6050

Background



This preview shows how black text looks on a background with the XYZ color 33.2626, 53.2015, 26.6050.



This preview shows how white text looks on a background with the XYZ color 33.2626, 53.2015,

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

33.2626, 53.2015, 26.6050

Protanopia

48.3526, 52.5708, 22.9280

Deuteranopia

53.2090, 52.1100, 28.0227



Tritanopia

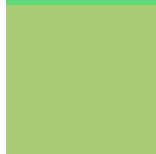
42.9562, 52.6913, 76.3130

Trichromacy



Original Color

33.2626, 53.2015, 26.6050



Protanomaly

40.5587, 51.5571, 24.0335



Deuteranomaly

42.5724, 50.4817, 27.2388



Tritanomaly

38.3831, 52.2594, 53.9630

Monochromacy



Original Color

33.2626, 53.2015, 26.6050



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.1149, 43.8274, 36.3145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2626, 53.2015, 26.6050 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(100, 216, 121)` looks like.

```
.text, #text, p{  
    color:rgb(100, 216, 121)  
}
```

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(100, 216, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 216, 121) }
```

Border

The CSS property to change the border of an element to XYZ 33.2626, 53.2015, 26.6050 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(100, 216, 121) }
```


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

```
.border{ border-color:rgb(100, 216, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 216, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 216, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 216, 121);  
box-shadow:4px 4px 4px 4px rgb(100, 216,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2626, 53.2015, 26.6050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 216, 121) }
```

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

```
.background{ background-color: rgb(100,  
216, 121) }
```

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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