

Converting Colors

XYZ(26.1965, 45.8221, 27.7744)

Have a look what the booklet for
XYZ(26.1965, 45.8221, 27.7744)
contains.

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Color

**XYZ(26.2170, 45.8297,
27.8863)**

Conversions

Conversions Part 1

Format	Color
Hex	12CE80
RGB	18, 206, 128
RGB Percent	7%, 81%, 50%
CMY	0.9294, 0.1921, 0.4980
CMYK	0.91, 0.00, 0.38, 0.19
HSL	155°, 84%, 44%
HSV	155°, 91%, 81%
XYZ	26.2170, 45.8297, 27.8863
YIQ	140.8960, -87.0100, -64.1140

Conversions

Conversions Part 2

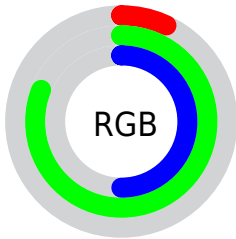
Format	Color
RYB	18, 137, 206
Decimal	1232512
CIELab	73.43, -60.02, 27.19
CIELCh	73, 65.890, 155.631
Yxy	45.8297, 0.2623, 0.4586
Android (android.graphics.Color)	4279422592 (0xFF12CE80)
YUV	140.8960, -6.3577, -107.7798
Hunter-Lab	67.6976, -49.3439, 22.9654

Details

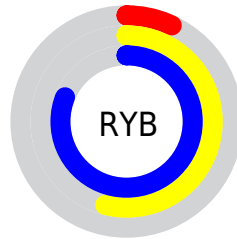
The XYZ color **26.2170, 45.8297, 27.8863** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **27.7828, 14.3999, 12.3839**, and the grayscale version is **25.3269, 26.6458, 29.0173**.

A 20% lighter version of the original color is **50.0443, 77.9204, 56.1186**, and **12.2815, 22.3628, 10.8769** is the 20% darker color. If you saturate the color by 10%, you get **25.4946, 45.5132, 25.3797**, and if you desaturate by 10%, it is **27.3772, 46.3613, 31.0035**.

Distribution



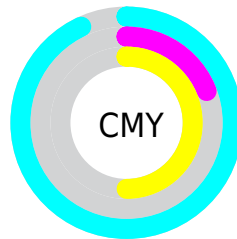
- Red (7%)
- Green (81%)
- Blue (50%)



- Red (7%)
- Yellow (54%)
- Blue (81%)



- Cyan (91%)
- Magenta (0%)
- Yellow (38%)
- Black (19%)





- Cyan (93%)
- Magenta (19%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.2170, 45.8297, 27.8863 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 26.2170, 45.8297, 27.8863 by changing the saturation by 10% instead.


 26.2170, 45.8297,
27.8863


 26.2170, 45.8297,
27.8863


276.0829,
370.1236, 305.8180


 17.1196, 32.1115,
18.0017


 53.0536, 83.9641,
57.3238


 10.4156, 21.4466,
10.7817


 71.5235, 109.1490,
77.7137


 5.7398, 13.4509,
5.8079


 93.8483, 138.9249,
102.4425

 2.7266, 7.7397,
2.6618

 120.3934,
173.6763, 131.9287

 1.0109, 3.9289,
0.9241

 151.5240,
213.7874, 166.5908

 0.0000, 1.6339,
0.0000

187.6055,

 0.0000, 0.3803,

259.6427, 206.8473

0.0000

229.0034,
311.6267, 253.1169

■ 0.0000, 0.0000,
0.0000

■ 26.2170, 45.8297,
27.8863

■ 26.2170, 45.8297,
27.8863

■ 25.4946, 45.5132,
25.3797

■ 27.3772, 46.3613,
31.0035

■ 29.0065, 47.1278,
34.3950

■ 31.1675, 48.1627,
38.0704

■ 33.9118, 49.4925,
42.0374

■ 37.2846, 51.1403,
46.3037

■ 41.3265, 53.1270,
50.8761

■ 46.0746, 55.4715,
55.7616

■ 51.5630, 58.1914,
60.9665

■ 57.8239, 61.3030,
66.4972

Harmonies

Analogous

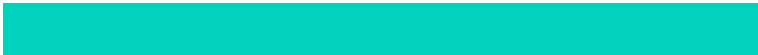
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.8003, 45.8297, 13.8747



26.2170, 45.8297, 27.8863



24.8980, 45.8297, 56.4440

Triad

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



26.2170, 45.8297, 27.8863



45.7883, 45.8297, 144.4702



64.3533, 45.8297, 21.1419

Complementary

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



26.2170, 45.8297, 27.8863



27.7828, 14.3999, 12.3839

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.



69.7836, 45.8297, 43.8838



26.2170, 45.8297, 27.8863



57.9106, 45.8297, 122.0427

Square

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



26.2170, 45.8297, 27.8863



34.9782, 45.8297, 133.7942



67.2381, 45.8297, 81.2228



53.4413, 45.8297, 11.3690

Rectangle

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



26.2170, 45.8297, 27.8863



26.3654, 45.8297, 83.0017



67.2381, 45.8297, 81.2228



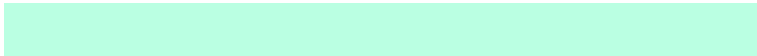
66.9609, 45.8297, 27.0293

Sweetspot

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



26.2182, 45.8315, 27.8874



69.8332, 87.4927, 85.4708



27.0411, 46.6933, 8.1601



14.4023, 18.4583, 17.7193



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.



26.2182, 45.8315, 27.8874



41.2006, 73.6962, 40.5698



29.8772, 41.5583, 64.8416



11.3387, 12.6452, 13.3411



15.7475, 28.0443, 15.8871



0.8496, 1.4617, 1.0157

Inverse Universe

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



27.7828, 14.3999, 12.3839



43.8313, 22.2965, 15.5754



26.1266, 14.2916, 1.9542



11.4021, 11.2896, 12.6522



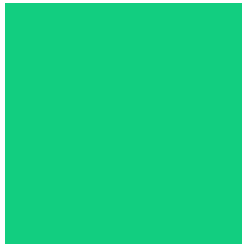
16.7406, 8.5068, 6.3528



0.9011, 0.4539, 0.5253

Previews

White Background



This preview shows how the XYZ color 26.2170, 45.8297, 27.8863 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 26.2170, 45.8297, 27.8863 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 26.2170, 45.8297, 27.8863

Background



This preview shows how black text looks on a background with the XYZ color 26.2170, 45.8297, 27.8863.



This preview shows how white text looks on a background with the XYZ color 26.2170, 45.8297,

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

26.2170, 45.8297, 27.8863

Protanopia

41.5791, 44.9939, 23.3229

Deuteranopia

45.5852, 44.6050, 29.4996



Tritanopia

34.5252, 45.7292, 69.2943

Trichromacy



Original Color

26.2170, 45.8297, 27.8863



Protanomaly

30.8547, 42.5215, 24.6704



Deuteranomaly

32.1893, 41.5499, 28.5137



Tritanomaly

30.5161, 45.4290, 50.8764

Monochromacy



Original Color

26.2170, 45.8297, 27.8863



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.7229, 31.1746, 28.1122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.2170, 45.8297, 27.8863 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(18, 206, 128)` looks like.

```
.text, #text, p{  
    color:rgb(18, 206, 128)  
}
```

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(18, 206, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 206, 128) }
```

Border

The CSS property to change the border of an element to XYZ 26.2170, 45.8297, 27.8863 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(18, 206, 128) }
```


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

```
.border{ border-color:rgb(18, 206, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 206, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(18, 206, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(18, 206, 128); box-shadow:4px 4px 4px 4px rgb(18, 206, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 26.2170, 45.8297, 27.8863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 206, 128) }
```

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

```
.background{ background-color: rgb(18, 206,  
128) }
```

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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