

Converting Colors

XYZ(27.3300, 51.6329, 16.8435)

Have a look what the booklet for
XYZ(27.3300, 51.6329, 16.8435)
contains.

XYZ(27.2626, 51.4737, 16.8860)	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(27.2626, 51.4737,
16.8860)**

Conversions

Conversions Part 1

Format	Color
Hex	16DB54
RGB	22, 219, 84
RGB Percent	9%, 86%, 33%
CMY	0.9137, 0.1412, 0.6706
CMYK	0.90, 0.00, 0.62, 0.14
HSL	139°, 82%, 47%
HSV	139°, 90%, 86%
XYZ	27.2626, 51.4737, 16.8860
YIQ	144.7070, -74.0770, -83.7490

Conversions

Conversions Part 2

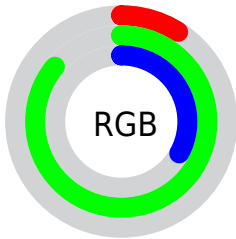
Format	Color
RYB	22, 172, 219
Decimal	1497940
CIELab	76.97, -70.97, 52.83
CIELCh	77, 88.472, 143.333
Yxy	51.4737, 0.2851, 0.5383
Android (android.graphics.Color)	4279688020 (0xFF16DB54)
YUV	144.7070, -29.9286, -107.6140
Hunter-Lab	71.7452, -57.7255, 36.2671

Details

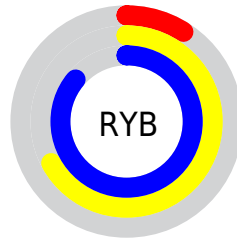
The XYZ color **27.2626, 51.4737, 16.8860** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **35.5876, 18.0690, 33.5114**, and the grayscale version is **26.9350, 28.3377, 30.8598**.

A 20% lighter version of the original color is **46.9030, 76.7345, 36.3840**, and **13.1182, 25.9198, 5.3485** is the 20% darker color. If you saturate the color by 10%, you get **26.4079, 51.0953, 14.1001**, and if you desaturate by 10%, it is **28.6198, 52.0995, 20.3551**.

Distribution



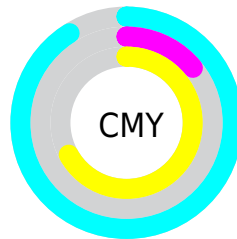
- Red (9%)
- Green (86%)
- Blue (33%)



- Red (9%)
- Yellow (67%)
- Blue (86%)



- Cyan (90%)
- Magenta (0%)
- Yellow (62%)
- Black (14%)



- Cyan (91%)
- Magenta (14%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2626, 51.4737, 16.8860 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 27.2626, 51.4737, 16.8860 by changing the saturation by 10% instead.

■ 27.2626, 51.4737,
16.8860

■ 27.2626, 51.4737,
16.8860

281.0708,
392.4014, 246.5362

■ 17.9081, 36.5857,
9.9921

■ 54.7219, 92.3546,
38.9176

■ 10.9834, 24.8869,
5.2882

■ 73.5574, 119.1163,
54.8925

■ 6.1229, 15.9928,
2.3557

■ 96.2841, 150.6048,
74.7314

■ 2.9613, 9.5191,
0.7622

■ 123.2671,
187.2043, 98.8530

■ 1.1333, 5.0813,
0.0000

■ 154.8720,
229.2993, 127.6757

■ 0.0527, 2.2950,
0.0000

191.4639,

■ 0.0000, 0.7711,

277.2743, 161.6181

0.0000

233.4084,
331.5135, 201.0988

■ 0.0000, 0.0000,
0.0000

■ 27.2626, 51.4737,
16.8860

■ 27.2626, 51.4737,
16.8860

■ 26.4079, 51.0953,
14.1001

■ 28.6198, 52.0995,
20.3551

■ 26.4044, 51.0938,
14.0886

■ 30.6044, 53.0318,
24.5485

■ 33.2933, 54.3110,
29.5067

■ 36.7505, 55.9694,
35.2658

■ 41.0326, 58.0354,
41.8596

■ 46.1908, 60.5348,
49.3201

■ 52.2719, 63.4910,
57.6772

■ 59.3194, 66.9259,
66.9598

■ 67.3737, 70.8599,
77.1951

Harmonies

Analogous

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



37.1787, 51.4737, 6.7228



27.2626, 51.4737, 16.8860



23.2802, 51.4737, 45.9478

Triad

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



27.2626, 51.4737, 16.8860



45.2578, 51.4737, 207.9965



85.1193, 51.4737, 26.7378

Complementary

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



27.2626, 51.4737, 16.8860



35.5876, 18.0690, 33.5114

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.



88.6848, 51.4737, 67.5252



27.2626, 51.4737, 16.8860



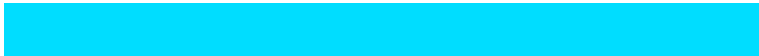
62.9146, 51.4737, 191.7491

Square

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



27.2626, 51.4737, 16.8860



32.0123, 51.4737, 168.3121



79.7925, 51.4737, 131.7404



70.9388, 51.4737, 9.6985

Rectangle

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



27.2626, 51.4737, 16.8860



23.6813, 51.4737, 80.2891



79.7925, 51.4737, 131.7404



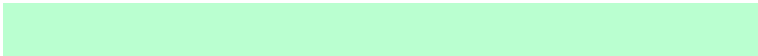
87.7154, 51.4737, 37.2520

Sweetspot

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



27.2638, 51.4758, 16.8872



67.4091, 86.5231, 72.7055



39.9553, 58.1866, 9.8845



13.8347, 18.2313, 14.7302



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.



27.2638, 51.4758, 16.8872



37.2174, 72.1030, 19.5946



33.8613, 54.1148, 51.6291



13.0545, 14.6734, 14.7500



15.6998, 30.3125, 8.5845



1.0554, 1.9791, 0.7579

Inverse Universe

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



35.5876, 18.0690, 33.5114



48.9528, 24.3451, 42.5452



30.3547, 15.9759, 5.9557



13.4309, 13.2015, 15.5303



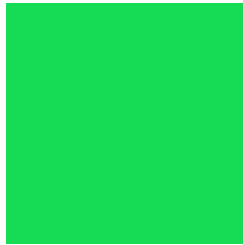
20.6415, 10.2577, 18.2902



1.3756, 0.6799, 1.3866

Previews

White Background



This preview shows how the XYZ color 27.2626, 51.4737, 16.8860 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 27.2626, 51.4737, 16.8860 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

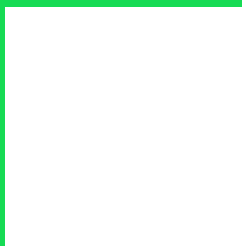
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2626, 51.4737, 16.8860

Background



This preview shows how black text looks on a background with the XYZ color 27.2626, 51.4737, 16.8860.



This preview shows how white text looks on a background with the XYZ color 27.2626, 51.4737,

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

27.2626, 51.4737, 16.8860

Protanopia

46.0459, 50.6048, 13.9974

Deuteranopia

51.1864, 50.0737, 18.0337



Tritanopia

39.1360, 51.0604, 76.9002

Trichromacy



Original Color

27.2626, 51.4737, 16.8860



Protanomaly

33.1848, 47.6094, 14.6482



Deuteranomaly

34.7411, 46.3248, 17.2358



Tritanomaly

32.6730, 50.1956, 46.9964

Monochromacy



Original Color

27.2626, 51.4737, 16.8860



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

23.5832, 33.6444, 23.9900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2626, 51.4737, 16.8860 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(22, 219, 84)` looks like.

```
.text, #text, p{  
    color:rgb(22, 219, 84)  
}
```

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(22, 219, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 219, 84) }
```

Border

The CSS property to change the border of an element to XYZ 27.2626, 51.4737, 16.8860 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(22, 219, 84) }
```


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

```
.border{ border-color:rgb(22, 219, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 219, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 219, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 219, 84);  
box-shadow:4px 4px 4px 4px rgb(22, 219,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2626, 51.4737, 16.8860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 219, 84) }
```

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

```
.background{ background-color: rgb(22, 219,  
84) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor