

Converting Colors

XYZ(15.2236, 27.2849, 10.4693)

Have a look what the booklet for
XYZ(15.2236, 27.2849, 10.4693)
contains.

XYZ(15.1490, 27.1207, 10.3976)	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(15.1490, 27.1207,
10.3976)**

Conversions

Conversions Part 1

Format	Color
Hex	29A347
RGB	41, 163, 71
RGB Percent	16%, 64%, 28%
CMY	0.8392, 0.3608, 0.7216
CMYK	0.75, 0.00, 0.56, 0.36
HSL	135°, 60%, 40%
HSV	135°, 75%, 64%
XYZ	15.1490, 27.1207, 10.3976
YIQ	116.0340, -43.1800, -54.4760

Conversions

Conversions Part 2

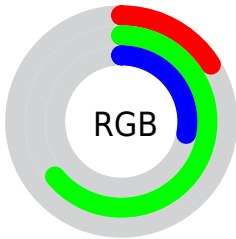
Format	Color
R_{YB}	41, 139, 163
Decimal	2728775
CIE _{Lab}	59.09, -52.55, 38.04
CIE _{LCh}	59, 64.877, 144.099
Yxy	27.1207, 0.2876, 0.5149
Android (android.graphics.Color)	4280918855 (0xFF29A347)
YUV	116.0340, -22.2018, -65.8048
Hunter-Lab	52.0775, -39.2113, 24.6167

Details

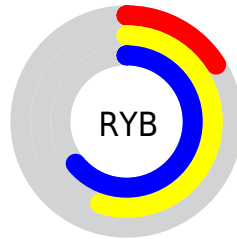
The XYZ color **15.1490, 27.1207, 10.3976** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **20.1317, 11.0664, 23.2664**, and the grayscale version is **16.6870, 17.5560, 19.1185**.

A 20% lighter version of the original color is **34.6701, 55.0714, 27.2149**, and **5.7113, 11.2060, 2.5714** is the 20% darker color. If you saturate the color by 10%, you get **14.2732, 26.7111, 8.5019**, and if you desaturate by 10%, it is **16.3751, 27.7033, 12.7276**.

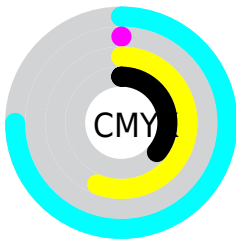
Distribution



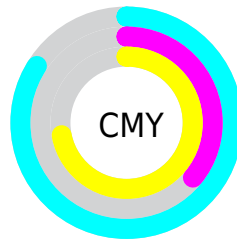
- Red (16%)
- Green (64%)
- Blue (28%)



- Red (16%)
- Yellow (55%)
- Blue (64%)



- Cyan (75%)
- Magenta (0%)
- Yellow (56%)
- Black (36%)



- Cyan (84%)
- Magenta (36%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1490, 27.1207, 10.3976 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 15.1490, 27.1207, 10.3976 by changing the saturation by 10% instead.

■ 15.1490, 27.1207,
10.3976

■ 15.1490, 27.1207,
10.3976

217.6368,
288.2411, 204.0736

■ 9.0110, 17.6639,
5.5543

■ 34.6839, 55.0775,
27.1601

■ 4.8055, 10.7090,
2.5117

■ 48.8115, 74.3463,
39.9165

■ 2.1672, 5.8715,
0.8463

■ 66.3330, 97.6545,
56.1476

■ 0.7254, 2.7671,
0.0000

■ 87.6138, 125.3865,
76.2720

■ 0.0000, 1.0114,
0.0000

■ 113.0192,
157.9268, 100.7083

■ 0.0000, 0.0000,
0.0000

142.9146,

195.6598, 129.8749

177.6654,
238.9697, 164.1905

■ 15.1490, 27.1207,
10.3976

■ 15.1490, 27.1207,
10.3976

■ 14.2732, 26.7111,
8.5019

■ 16.3751, 27.7033,
12.7276

■ 13.7043, 26.4502,
7.0113

■ 17.9836, 28.4725,
15.5147

■ 13.4821, 26.3491,
6.3901

■ 20.0051, 29.4443,
18.7825

■ 22.4664, 30.6323,
22.5522

■ 25.3919, 32.0485,
26.8439

■ 28.8045, 33.7043,
31.6765

■ 32.7252, 35.6102,
37.0680

■ 37.1740, 37.7762,
43.0354

■ 42.1696, 40.2115,
49.5953

Harmonies

Analogous

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



19.9516, 27.1207, 4.7157



15.1490, 27.1207, 10.3976



13.2280, 27.1207, 25.1969

Triad

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



15.1490, 27.1207, 10.3976



24.2164, 27.1207, 99.3621



42.6753, 27.1207, 14.8584

Complementary

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



15.1490, 27.1207, 10.3976



20.1317, 11.0664, 23.2664

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.



44.4761, 27.1207, 34.3330



15.1490, 27.1207, 10.3976



32.6394, 27.1207, 91.4225

Square

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



15.1490, 27.1207, 10.3976



17.7141, 27.1207, 82.0664



40.4838, 27.1207, 63.9621



35.9777, 27.1207, 6.1907

Rectangle

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



15.1490, 27.1207, 10.3976



13.4762, 27.1207, 41.7191



40.4838, 27.1207, 63.9621



43.9247, 27.1207, 19.9813

Sweetspot

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



15.1497, 27.1218, 10.3982



46.8809, 58.0767, 50.0923



23.4152, 31.4680, 6.9379



10.1975, 12.8830, 10.7747



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.1497, 27.1218, 10.3982



24.8124, 47.4908, 13.3285



18.0731, 28.2912, 25.7929



7.0537, 7.9223, 7.8944



10.4935, 20.4837, 5.0491



0.2379, 0.4374, 0.1979

Inverse Universe

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



20.1317, 11.0664, 23.2664



34.0960, 17.1972, 37.0291



17.1183, 9.8611, 7.3981



7.2895, 7.1723, 8.5111



14.5320, 7.1689, 15.2582



0.3223, 0.1574, 0.4099

Previews

White Background



This preview shows how the XYZ color 15.1490, 27.1207, 10.3976 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1490, 27.1207, 10.3976 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 × Fail

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

XYZ 15.1490, 27.1207, 10.3976

Background



This preview shows how black text looks on a background with the XYZ color 15.1490, 27.1207, 10.3976.



This preview shows how white text looks on a background with the XYZ color 15.1490, 27.1207,

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

15.1490, 27.1207, 10.3976

Protanopia

24.3549, 26.5880, 8.6988

Deuteranopia

27.0885, 26.6631, 11.1159



Tritanopia

21.0982, 26.9915, 40.1743

Trichromacy



Original Color

15.1490, 27.1207, 10.3976

Protanomaly

18.8308, 25.5450, 9.2484

Deuteranomaly

19.7421, 25.0577, 10.6336

Tritanomaly

18.1403, 26.7768, 25.6851

Monochromacy



Original Color

15.1490, 27.1207, 10.3976

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

14.8076, 19.8190, 15.1016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1490, 27.1207, 10.3976 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(41, 163, 71)` looks like.

```
.text, #text, p{  
    color:rgb(41, 163, 71)  
}
```

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(41, 163, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 163, 71) }
```

Border

The CSS property to change the border of an element to XYZ 15.1490, 27.1207, 10.3976 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(41, 163, 71) }
```


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

```
.border{ border-color:rgb(41, 163, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 163, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 163, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 163, 71);  
box-shadow:4px 4px 4px 4px rgb(41, 163,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1490, 27.1207, 10.3976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 163, 71) }
```

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

```
.background{ background-color: rgb(41, 163,  
71) }
```

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