

Converting Colors

XYZ(7.9355, 18.0614, 6.3050)

Have a look what the booklet for
XYZ(7.9355, 18.0614, 6.3050)
contains.

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Color

**XYZ(10.1447, 19.2977,
6.4390)**

Conversions

Conversions Part 1

Format	Color
Hex	008D34
RGB	0, 141, 52
RGB Percent	0%, 55%, 20%
CMY	1.0000, 0.4470, 0.7961
CMYK	1.00, 0.00, 0.63, 0.45
HSL	142°, 100%, 28%
HSV	142°, 100%, 55%
XYZ	10.1447, 19.2977, 6.4390
YIQ	88.6950, -55.4670, -57.5710

Conversions

Conversions Part 2

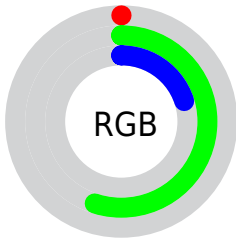
Format	Color
RYB	0, 103, 141
Decimal	36148
CIELab	51.03, -51.76, 37.66
CIELCh	51, 64.010, 143.966
Yxy	19.2977, 0.2827, 0.5378
Android (android.graphics.Color)	4278226228 (0xFF008D34)
YUV	88.6950, -18.0906, -77.7855
Hunter-Lab	43.9291, -35.6544, 22.0599

Details

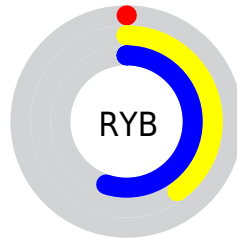
The XYZ color **10.1447, 19.2977, 6.4390** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **12.7881, 6.3842, 10.0094**, and the grayscale version is **9.4759, 9.9694, 10.8567**.

A 20% lighter version of the original color is **25.7944, 42.3240, 19.3802**, and **3.5724, 7.1448, 1.1908** is the 20% darker color. If you saturate the color by 10%, you get **10.1452, 19.2985, 6.4394**, and if you desaturate by 10%, it is **10.5476, 19.4806, 7.6054**.

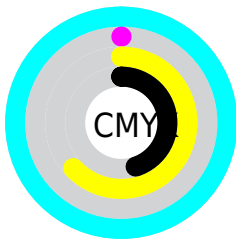
Distribution



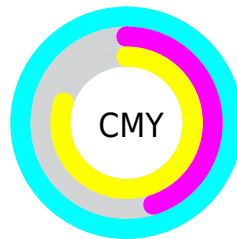
- Red (0%)
- Green (55%)
- Blue (20%)



- Red (0%)
- Yellow (40%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.1447, 19.2977, 6.4390 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 10.1447, 19.2977, 6.4390 by changing the saturation by 10% instead.


 10.1447, 19.2977,
6.4390


 10.1447, 19.2977,
6.4390


185.7338,
248.0873, 172.3674


 5.5580, 11.8856,
3.0407


 25.7145, 42.2365,
19.3287


 2.6163, 6.6658,
1.1155


 37.4284, 58.5321,
29.6572


 0.9543, 3.2540,
0.0000

 52.2486, 78.5575,
43.1328

 0.0000, 1.2657,
0.0000

 70.5407, 102.6972,
60.1742

 0.0000, 0.1144,
0.0000

 92.6699, 131.3357,
81.1998

 0.0000, 0.0000,
0.0000

 119.0016,

164.8573, 106.6281

149.9011,
203.6464, 136.8778

■ 10.1447, 19.2977,
6.4390

■ 10.1447, 19.2977,
6.4390

■ 10.1452, 19.2985,
6.4394

■ 10.5476, 19.4806,
7.6054

■ 11.1089, 19.7400,
8.9865

■ 11.8930, 20.1093,
10.5952

■ 12.9237, 20.6009,
12.4417

■ 14.2219, 21.2252,
14.5354

■ 15.8061, 21.9915,
16.8851

■ 17.6929, 22.9082,
19.4993

■ 19.8978, 23.9833,
22.3860

■ 22.4350, 25.2238,
25.5529

Harmonies

Analogous

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



13.8226, 19.2977, 2.5317



10.1447, 19.2977, 6.4390



8.6939, 19.2977, 17.5513

Triad

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



10.1447, 19.2977, 6.4390



17.0900, 19.2977, 78.3623



31.8882, 19.2977, 9.7821

Complementary

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



10.1447, 19.2977, 6.4390



12.7881, 6.3842, 10.0094

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.



33.3313, 19.2977, 24.8999



10.1447, 19.2977, 6.4390



23.7523, 19.2977, 71.7827

Square

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



10.1447, 19.2977, 6.4390



12.0647, 19.2977, 63.7754



30.0710, 19.2977, 48.9673



26.4881, 19.2977, 3.5367

Rectangle

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



10.1447, 19.2977, 6.4390



8.8731, 19.2977, 30.6138



30.0710, 19.2977, 48.9673



32.8972, 19.2977, 13.6624

Sweetspot

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



10.1452, 19.2985, 6.4394



31.4496, 40.9093, 34.6030



13.6741, 21.1893, 3.3693



6.7342, 8.9961, 7.3327



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



10.1452, 19.2985, 6.4394



18.0922, 34.5289, 11.1342



13.0507, 20.4607, 21.7396



5.4200, 6.0602, 6.1775



9.2573, 17.5988, 5.9090



0.0985, 0.1723, 0.1091

Inverse Universe

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



12.7881, 6.3842, 10.0094



22.8173, 11.3993, 17.4862



11.1008, 5.7093, 1.1241



5.5430, 5.4777, 6.3575



11.6677, 5.8241, 9.1673



0.1222, 0.0599, 0.1438

Previews

White Background



This preview shows how the XYZ color 10.1447, 19.2977, 6.4390 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 10.1447, 19.2977, 6.4390 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 10.1447, 19.2977, 6.4390

Background



This preview shows how black text looks on a background with the XYZ color 10.1447, 19.2977, 6.4390.



This preview shows how white text looks on a background with the XYZ color 10.1447, 19.2977,

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

10.1447, 19.2977, 6.4390

Protanopia

17.3222, 19.0229, 5.3436

Deuteranopia

19.3408, 18.9773, 6.9186



Tritanopia

14.8965, 19.3556, 28.9375

Trichromacy



Original Color

10.1447, 19.2977, 6.4390



Protanomaly

12.0904, 17.6302, 5.5620



Deuteranomaly

12.6655, 17.1436, 6.5124



Tritanomaly

12.2060, 18.8288, 17.7429

Monochromacy



Original Color

10.1447, 19.2977, 6.4390



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

8.3544, 12.1168, 8.7359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1447, 19.2977, 6.4390 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(0, 141, 52)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 52)  
}
```

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(0, 141, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 52) }
```

Border

The CSS property to change the border of an element to XYZ 10.1447, 19.2977, 6.4390 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(0, 141, 52) }
```


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

```
.border{ border-color:rgb(0, 141, 52) }
```

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

Here you see how a box with a 4 pixel rgb(0, 141, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 52);  
box-shadow:4px 4px 4px 4px rgb(0, 141, 52)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.1447, 19.2977, 6.4390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 52) }
```

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

```
.background{ background-color: rgb(0, 141,  
52) }
```

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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