

Converting Colors

XYZ(16.7709, 26.6218, 20.7390)

Have a look what the booklet for
XYZ(16.7709, 26.6218, 20.7390)
contains.

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Color

**XYZ(16.8171, 26.7102,
20.7922)**

Conversions

Conversions Part 1

Format	Color
Hex	319F74
RGB	49, 159, 116
RGB Percent	19%, 62%, 45%
CMY	0.8078, 0.3765, 0.5451
CMYK	0.69, 0.00, 0.27, 0.38
HSL	157°, 53%, 41%
HSV	157°, 69%, 62%
XYZ	16.8171, 26.7102, 20.7922
YIQ	121.2080, -51.7570, -36.6930

Conversions

Conversions Part 2

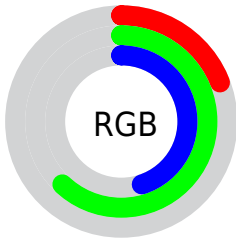
Format	Color
RYB	49, 117, 159
Decimal	3252084
CIELab	58.71, -41.31, 13.63
CIELCh	59, 43.497, 161.737
Yxy	26.7102, 0.2615, 0.4153
Android (android.graphics.Color)	4281442164 (0xFF319F74)
YUV	121.2080, -2.5675, -63.3264
Hunter-Lab	51.6819, -32.3601, 12.3243

Details

The XYZ color **16.8171, 26.7102, 20.7922** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.3290, 10.3408, 11.2087**, and the grayscale version is **18.2619, 19.2129, 20.9228**.

A 20% lighter version of the original color is **37.4211, 54.1715, 45.5296**, and **6.1974, 10.7254, 7.2124** is the 20% darker color. If you saturate the color by 10%, you get **15.8319, 26.2434, 18.9218**, and if you desaturate by 10%, it is **18.0985, 27.3283, 22.8040**.

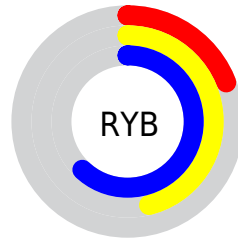
Distribution



Red (19%)

Green (62%)

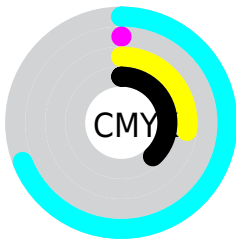
Blue (45%)



Red (19%)

Yellow (46%)

Blue (62%)

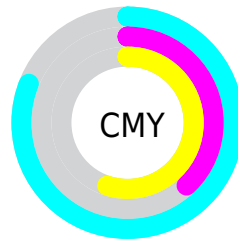


Cyan (69%)

Magenta (0%)

Yellow (27%)

Black (38%)



Cyan (81%)

Magenta (38%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8171, 26.7102, 20.7922 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 16.8171, 26.7102, 20.7922 by changing the saturation by 10% instead.

■ 16.8171, 26.7102,
20.7922

■ 16.8171, 26.7102,
20.7922

227.2930,
286.2512, 268.9168

■ 10.1987, 17.3557,
12.7824

■ 37.5571, 54.4185,
45.6177

■ 5.5942, 10.4884,
7.1499

■ 52.4095, 73.5410,
63.2706

■ 2.6382, 5.7240,
3.4762

■ 70.7371, 96.6884,
84.9749

■ 0.9655, 2.6780,
1.3426

■ 92.9055, 124.2450,
111.1491

■ 0.0000, 0.9660,
0.0963

■ 119.2799,
156.5952, 142.2119

■ 0.0000, 0.0000,
0.0000

150.2257,

194.1233, 178.5817

186.1083,
237.2139, 220.6772

■ 16.8171, 26.7102,
20.7922

■ 16.8171, 26.7102,
20.7922

■ 15.8319, 26.2434,
18.9218

■ 18.0985, 27.3283,
22.8040

■ 15.1103, 25.9091,
17.1870

■ 19.6999, 28.1078,
24.9588

■ 14.5891, 25.6753,
15.5830

■ 21.6453, 29.0617,
27.2608

■ 14.5491, 25.6574,
15.4571

■ 23.9554, 30.2008,
29.7132

■ 26.6494, 31.5347,
32.3189

■ 29.7451, 33.0727,
35.0812

■ 33.2592, 34.8232,
38.0027

■ 37.2073, 36.7944,
41.0863

■ 41.6043, 38.9938,
44.3348

Harmonies

Analogous

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



19.1358, 26.7102, 12.1716



16.8171, 26.7102, 20.7922



16.5878, 26.7102, 35.4977

Triad

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



16.8171, 26.7102, 20.7922



27.5381, 26.7102, 68.5205



33.8640, 26.7102, 13.5474

Complementary

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



16.8171, 26.7102, 20.7922



17.3290, 10.3408, 11.2087

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.



36.8511, 26.7102, 23.4915



16.8171, 26.7102, 20.7922



32.8705, 26.7102, 57.0750

Square

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



16.8171, 26.7102, 20.7922



22.2978, 26.7102, 66.9950



36.4639, 26.7102, 39.3278



28.7497, 26.7102, 9.1167

Rectangle

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



16.8171, 26.7102, 20.7922



17.6043, 26.7102, 47.4979



36.4639, 26.7102, 39.3278



35.1806, 26.7102, 16.1742

Sweetspot

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



16.8178, 26.7113, 20.7928



46.5939, 55.9128, 56.8192



17.4675, 27.3463, 7.2637



10.2170, 12.4630, 12.5351



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.8178, 26.7113, 20.7928



27.6001, 46.6469, 32.1795



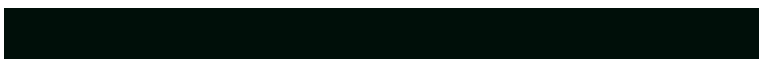
18.1153, 24.3370, 36.5449



6.7119, 7.4655, 7.9174



11.5118, 20.2727, 12.3181



0.2261, 0.3706, 0.3272

Inverse Universe

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



17.3290, 10.3408, 11.2087



28.6157, 15.3713, 14.0633



16.4690, 10.8249, 4.1274



6.7351, 6.6869, 7.4559



12.0026, 6.1056, 4.2647



0.2347, 0.1172, 0.1820

Previews

White Background



This preview shows how the XYZ color 16.8171, 26.7102, 20.7922 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 16.8171, 26.7102, 20.7922 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 16.8171, 26.7102, 20.7922

Background



This preview shows how black text looks on a background with the XYZ color 16.8171, 26.7102, 20.7922.



This preview shows how white text looks on a background with the XYZ color 16.8171, 26.7102,

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

16.8171, 26.7102, 20.7922

Protanopia

24.6096, 26.3017, 17.6896

Deuteranopia

26.8131, 26.2855, 21.7496



Tritanopia

20.6370, 26.7643, 39.6756

Trichromacy



Original Color

16.8171, 26.7102, 20.7922

Protanomaly

20.0582, 25.5039, 18.6174

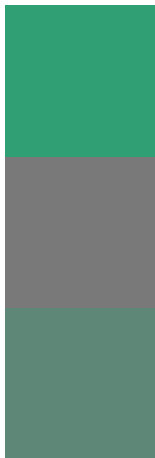
Deuteranomaly

21.0488, 25.2715, 21.2213

Tritanomaly

18.9744, 26.5734, 31.7329

Monochromacy



Original Color

16.8171, 26.7102, 20.7922

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.7131, 21.0928, 20.6432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8171, 26.7102, 20.7922 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(49, 159, 116)` looks like.

```
.text, #text, p{  
    color:rgb(49, 159, 116)  
}
```

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(49, 159, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 159, 116) }
```

Border

The CSS property to change the border of an element to XYZ 16.8171, 26.7102, 20.7922 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(49, 159, 116) }
```


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

```
.border{ border-color:rgb(49, 159, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 159, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 159, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 159, 116);  
box-shadow:4px 4px 4px 4px rgb(49, 159,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8171, 26.7102, 20.7922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 159, 116) }
```

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

```
.background{ background-color: rgb(49, 159,  
116) }
```

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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