

Converting Colors

XYZ(20.0143, 35.3284, 19.9147)

Have a look what the booklet for
XYZ(20.0143, 35.3284, 19.9147)
contains.

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Color

**XYZ(20.0967, 35.4923,
19.9788)**

Conversions

Conversions Part 1

Format	Color
Hex	12B86C
RGB	18, 184, 108
RGB Percent	7%, 72%, 42%
CMY	0.9294, 0.2784, 0.5765
CMYK	0.90, 0.00, 0.41, 0.28
HSL	153°, 82%, 40%
HSV	153°, 90%, 72%
XYZ	20.0967, 35.4923, 19.9788
YIQ	125.7020, -74.5400, -58.8280

Conversions

Conversions Part 2

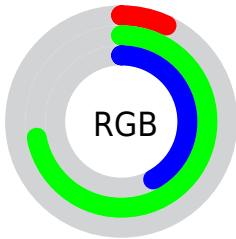
Format	Color
RYB	18, 126, 184
Decimal	1226860
CIELab	66.13, -56.14, 27.95
CIELCh	66, 62.711, 153.528
Yxy	35.4923, 0.2659, 0.4697
Android (android.graphics.Color)	4279416940 (0xFF12B86C)
YUV	125.7020, -8.7271, -94.4547
Hunter-Lab	59.5754, -44.0432, 21.8197

Details

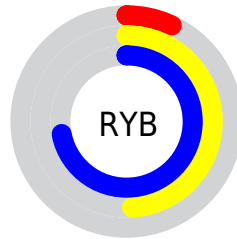
The XYZ color **20.0967, 35.4923, 19.9788** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **22.0051, 11.4319, 11.6382**, and the grayscale version is **19.7780, 20.8080, 22.6599**.

A 20% lighter version of the original color is **43.0560, 68.1580, 44.1442**, and **8.6397, 16.0163, 6.7738** is the 20% darker color. If you saturate the color by 10%, you get **19.4297, 35.1977, 17.7650**, and if you desaturate by 10%, it is **21.0602, 35.9356, 22.4796**.

Distribution



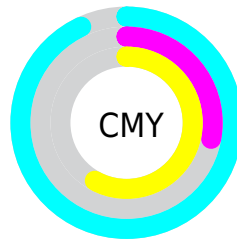
- Red (7%)
- Green (72%)
- Blue (42%)



- Red (7%)
- Yellow (49%)
- Blue (72%)



- Cyan (90%)
- Magenta (0%)
- Yellow (41%)
- Black (28%)





- Cyan (93%)
- Magenta (28%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.0967, 35.4923, 19.9788 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 20.0967, 35.4923, 19.9788 by changing the saturation by 10% instead.


 20.0967, 35.4923,
19.9788


 20.0967, 35.4923,
19.9788


245.2617,
326.7360, 264.4008


 12.5740, 24.0423,
12.1957


 43.0820, 68.2477,
44.2401

 7.2109, 15.3650,
6.7530


 59.2752, 90.3220,
61.5555


 3.6418, 9.0760,
3.2320


 79.0895, 116.7065,
82.8853

 1.5016, 4.7908,
1.2143

 102.8899,
147.7856, 108.6482

 0.3269, 2.1250,
0.0000

 131.0421,
183.9437, 139.2626

 0.0000, 0.6786,
0.0000

 163.9112,

 0.0000, 0.0000,

225.5652, 175.1472

0.0000

201.8626,
273.0345, 216.7204

■ 20.0967, 35.4923,
19.9788

■ 20.0967, 35.4923,
19.9788

■ 19.4297, 35.1977,
17.7650

■ 21.0602, 35.9356,
22.4796

■ 22.3983, 36.5660,
25.2296

■ 24.1573, 37.4080,
28.2375

■ 26.3757, 38.4815,
31.5108

■ 29.0876, 39.8039,
35.0567

■ 32.3237, 41.3908,
38.8817

■ 36.1121, 43.2567,
42.9926

■ 40.4788, 45.4149,
47.3953

■ 45.4480, 47.8777,
52.0961

Harmonies

Analogous

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



24.7695, 35.4923, 9.7009



20.0967, 35.4923, 19.9788



18.8180, 35.4923, 41.8910

Triad

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



20.0967, 35.4923, 19.9788



34.8495, 35.4923, 115.8807



50.9948, 35.4923, 16.6574

Complementary

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



20.0967, 35.4923, 19.9788



22.0051, 11.4319, 11.6382

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.



54.9783, 35.4923, 35.5713



20.0967, 35.4923, 19.9788



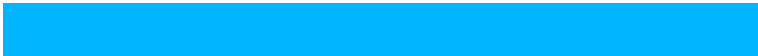
44.6369, 35.4923, 99.1917

Square

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



20.0967, 35.4923, 19.9788



26.3573, 35.4923, 105.2325



52.4615, 35.4923, 66.3479



42.3736, 35.4923, 8.4973

Rectangle

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



20.0967, 35.4923, 19.9788



19.8223, 35.4923, 62.9777



52.4615, 35.4923, 66.3479



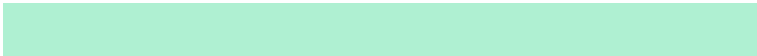
52.9859, 35.4923, 21.5592

Sweetspot

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



20.0976, 35.4937, 19.9796



60.3882, 75.9120, 72.4872



22.0188, 36.7842, 6.5121



12.5473, 16.1334, 15.0988



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.0976, 35.4937, 19.9796



35.0980, 63.7542, 31.5588



24.9157, 35.6176, 50.9109



9.0885, 10.1394, 10.6233



13.4264, 24.2715, 12.4330



0.5042, 0.8680, 0.6007

Inverse Universe

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



22.0051, 11.4319, 11.6382



38.6341, 19.5931, 16.4251



20.1944, 10.8689, 1.6061



9.1710, 9.0788, 10.2480



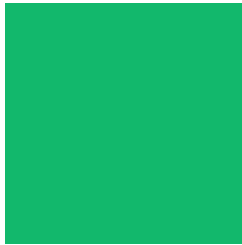
14.7677, 7.4808, 6.6636



0.5519, 0.2762, 0.3997

Previews

White Background



This preview shows how the XYZ color 20.0967, 35.4923, 19.9788 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 20.0967, 35.4923, 19.9788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

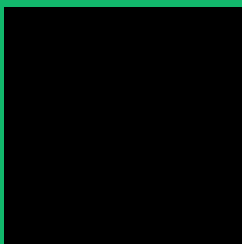
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

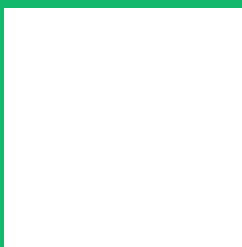
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0967, 35.4923, 19.9788

Background



This preview shows how black text looks on a background with the XYZ color 20.0967, 35.4923, 19.9788.



This preview shows how white text looks on a background with the XYZ color 20.0967, 35.4923,

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

20.0967, 35.4923, 19.9788

Protanopia

32.0583, 34.6768, 16.5589

Deuteranopia

35.4720, 34.8391, 21.0747



Tritanopia

26.9695, 35.5993, 53.5940

Trichromacy



Original Color

20.0967, 35.4923, 19.9788



Protanomaly

23.7370, 32.7465, 17.6400



Deuteranomaly

24.9525, 32.2328, 20.2357



Tritanomaly

23.5810, 35.0570, 38.7815

Monochromacy



Original Color

20.0967, 35.4923, 19.9788



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.6940, 24.2256, 21.1962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0967, 35.4923, 19.9788 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, 184, 108)` looks like.

```
.text, #text, p{  
    color:rgb(18, 184, 108)  
}
```

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, 184, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 184, 108) }
```

Border

The CSS property to change the border of an element to XYZ 20.0967, 35.4923, 19.9788 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, 184, 108) }
```


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

```
.border{ border-color:rgb(18, 184, 108) }
```

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

Here you see how a box with a 4 pixel rgb(18, 184, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 184, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 184, 108);  
box-shadow:4px 4px 4px 4px rgb(18, 184,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0967, 35.4923, 19.9788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 184, 108) }
```

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

```
.background{ background-color: rgb(18, 184,  
108) }
```

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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