

Converting Colors

XYZ(13.3529, 19.5686, 20.5261)

Have a look what the booklet for
XYZ(13.3529, 19.5686, 20.5261)
contains.

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Color

**XYZ(13.3529, 19.5686,
20.5261)**

Conversions

Conversions Part 1

Format	Color
Hex	308877
RGB	48, 136, 119
RGB Percent	19%, 53%, 47%
CMY	0.8117, 0.4667, 0.5333
CMYK	0.65, 0.00, 0.13, 0.47
HSL	168°, 48%, 36%
HSV	168°, 65%, 53%
XYZ	13.3529, 19.5686, 20.5261
YIQ	107.7500, -46.9910, -23.9430

Conversions

Conversions Part 2

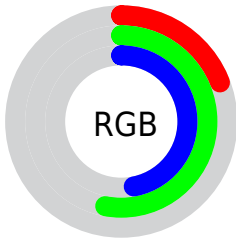
Format	Color
RYB	48, 97, 136
Decimal	3180663
CIELab	51.35, -30.36, 1.44
CIElCh	51, 30.392, 177.292
Yxy	19.5686, 0.2498, 0.3661
Android (android.graphics.Color)	4281370743 (0xFF308877)
YUV	107.7500, 5.5462, -52.4008
Hunter-Lab	44.2364, -23.5329, 3.4544

Details

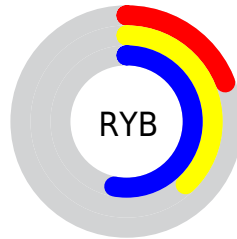
The XYZ color **13.3529, 19.5686, 20.5261** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.1652, 7.7305, 5.8529**, and the grayscale version is **14.1789, 14.9173, 16.2450**.

A 20% lighter version of the original color is **31.5898, 42.7704, 45.1186**, and **4.3858, 6.9519, 7.0719** is the 20% darker color. If you saturate the color by 10%, you get **12.6517, 19.2256, 19.6812**, and if you desaturate by 10%, it is **14.2563, 20.0163, 21.4041**.

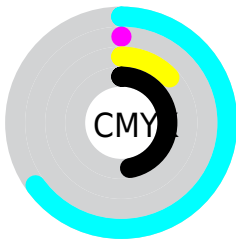
Distribution



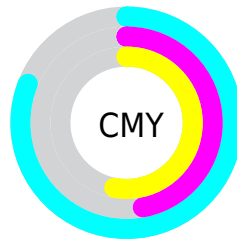
- Red (19%)
- Green (53%)
- Blue (47%)



- Red (19%)
- Yellow (38%)
- Blue (53%)



- Cyan (65%)
- Magenta (0%)
- Yellow (13%)
- Black (47%)



- Cyan (81%)
- Magenta (47%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3529, 19.5686, 20.5261 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 13.3529, 19.5686, 20.5261 by changing the saturation by 10% instead.

■ 13.3529, 19.5686,
20.5261

■ 13.3529, 19.5686,
20.5261

206.7593,
249.5700, 267.4470

■ 7.7507, 12.0818,
12.5902

■ 31.5323, 42.6927,
45.1680

■ 3.9863, 6.7994,
7.0196

■ 44.8402, 59.0989,
62.7110

■ 1.6944, 3.3370,
3.3957

■ 61.4473, 79.2470,
84.2936

■ 0.4527, 1.3101,
1.3001

■ 81.7191, 103.5214,
110.3341

■ 0.0000, 0.1490,
0.0618

■ 106.0208,
132.3065, 141.2511

■ 0.0000, 0.0000,
0.0000

■ 134.7178,

165.9867, 177.4633

168.1756,
204.9464, 219.3890

■ 13.3529, 19.5686,
20.5261

■ 13.3529, 19.5686,
20.5261

■ 12.6517, 19.2256,
19.6812

■ 14.2563, 20.0163,
21.4041

■ 12.1324, 18.9754,
18.8670

■ 15.3765, 20.5748,
22.3147

■ 11.7704, 18.8057,
18.0826

■ 16.7288, 21.2524,
23.2594

■ 11.6041, 18.7288,
17.6773

■ 18.3266, 22.0561,
24.2389

■ 20.1821, 22.9921,
25.2539

■ 22.3068, 24.0664,
26.3051

■ 24.7116, 25.2845,
27.3933

■ 27.4066, 26.6517,
28.5191

■ 30.4015, 28.1729,
29.6831

Harmonies

Analogous

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



14.1040, 19.5686, 13.4845



13.3529, 19.5686, 20.5261



13.8758, 19.5686, 29.9360

Triad

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



13.3529, 19.5686, 20.5261



21.4087, 19.5686, 39.9022



21.9381, 19.5686, 10.1018

Complementary

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



13.3529, 19.5686, 20.5261



12.1652, 7.7305, 5.8529

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.



24.2891, 19.5686, 14.5192



13.3529, 19.5686, 20.5261



23.9608, 19.5686, 31.6867

Square

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



13.3529, 19.5686, 20.5261



18.3247, 19.5686, 42.7696



25.0664, 19.5686, 22.1072



18.8768, 19.5686, 8.5832

Rectangle

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



13.3529, 19.5686, 20.5261



14.9117, 19.5686, 36.1174



25.0664, 19.5686, 22.1072



22.8498, 19.5686, 11.2256

Sweetspot

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



13.3535, 19.5694, 20.5266



33.9679, 39.7110, 43.6530



11.5583, 18.9669, 5.8486



7.6788, 9.1019, 10.0057



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.3535, 19.5694, 20.5266



21.8009, 33.6406, 33.9604



11.1964, 13.4725, 25.3037



5.1321, 5.6723, 6.2167



10.9857, 17.7269, 16.7475



0.0779, 0.1197, 0.1372

Inverse Universe

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



12.1652, 7.7305, 5.8529



19.5698, 11.0405, 6.1347



13.1631, 10.3996, 4.1104



5.0698, 5.0634, 5.4561



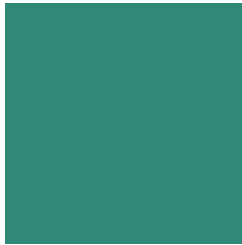
9.7920, 5.0269, 1.4093



0.0692, 0.0351, 0.0314

Previews

White Background



This preview shows how the XYZ color 13.3529, 19.5686, 20.5261 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 13.3529, 19.5686, 20.5261 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 13.3529, 19.5686, 20.5261

Background



This preview shows how black text looks on a background with the XYZ color 13.3529, 19.5686, 20.5261.

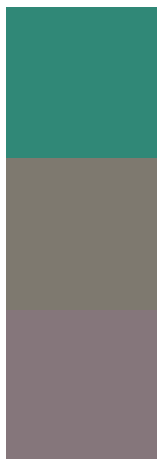


This preview shows how white text looks on a background with the XYZ color 13.3529, 19.5686,

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

13.3529, 19.5686, 20.5261

Protanopia

18.3108, 19.2581, 17.7910

Deuteranopia

19.7265, 19.3735, 21.4386



Tritanopia

15.0904, 19.6578, 28.9856

Trichromacy



Original Color

13.3529, 19.5686, 20.5261

Protanomaly

15.5351, 18.7333, 18.7167

Deuteranomaly

16.3260, 18.8972, 21.1994

Tritanomaly

14.3495, 19.5557, 25.5726

Monochromacy



Original Color

13.3529, 19.5686, 20.5261

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.2408, 16.1052, 17.7400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3529, 19.5686, 20.5261 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(48, 136, 119)` looks like.

```
.text, #text, p{  
    color:rgb(48, 136, 119)  
}
```

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(48, 136, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 136, 119) }
```

Border

The CSS property to change the border of an element to XYZ 13.3529, 19.5686, 20.5261 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(48, 136, 119) }
```


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

```
.border{ border-color:rgb(48, 136, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 136, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 136, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 136, 119);  
box-shadow:4px 4px 4px 4px rgb(48, 136,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3529, 19.5686, 20.5261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 136, 119) }
```

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

```
.background{ background-color: rgb(48, 136,  
119) }
```

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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