

Converting Colors

XYZ(13.4202, 19.6126, 10.6677)

Have a look what the booklet for
XYZ(13.4202, 19.6126, 10.6677)
contains.

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Color

**XYZ(13.4202, 19.6126,
10.6677)**

Conversions

Conversions Part 1

Format	Color
Hex	508750
RGB	80, 135, 80
RGB Percent	31%, 53%, 31%
CMY	0.6863, 0.4706, 0.6863
CMYK	0.41, 0.00, 0.41, 0.47
HSL	120°, 26%, 42%
HSV	120°, 41%, 53%
XYZ	13.4202, 19.6126, 10.6677
YIQ	112.2850, -15.1250, -28.7650

Conversions

Conversions Part 2

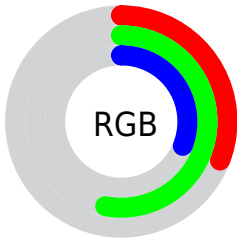
Format	Color
R_YB	80, 135, 135
Decimal	5277520
CIE Lab	51.40, -30.14, 24.00
CIE LCh	51, 38.528, 141.470
Yxy	19.6126, 0.3071, 0.4488
Android (android.graphics.Color)	4283467600 (0xFF508750)
YUV	112.2850, -15.9165, -28.3139
Hunter-Lab	44.2861, -23.4091, 16.7184

Details

The XYZ color **13.4202, 19.6126, 10.6677** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.2341, 12.6379, 24.4533**, and the grayscale version is **15.5338, 16.3428, 17.7973**.

A 20% lighter version of the original color is **31.7426, 42.9124, 27.7290**, and **4.0439, 6.8737, 2.6270** is the 20% darker color. If you saturate the color by 10%, you get **11.9432, 18.9037, 8.2514**, and if you desaturate by 10%, it is **15.2275, 20.4813, 13.6235**.

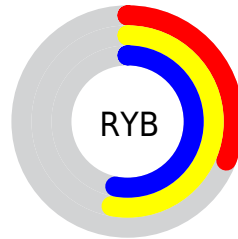
Distribution



Red (31%)

Green (53%)

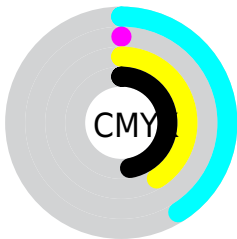
Blue (31%)



Red (31%)

Yellow (53%)

Blue (53%)

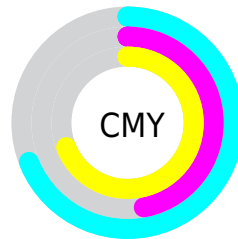


Cyan (41%)

Magenta (0%)

Yellow (41%)

Black (47%)



Cyan (69%)

Magenta (47%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4202, 19.6126, 10.6677 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 13.4202, 19.6126, 10.6677 by changing the saturation by 10% instead.

■ 13.4202, 19.6126,
10.6677

■ 13.4202, 19.6126,
10.6677

207.1770,
249.8101, 206.0283

■ 7.7975, 12.1138,
5.7325

■ 31.6516, 42.7667,
27.6712

■ 4.0164, 6.8212,
2.6170

■ 44.9910, 59.1908,
40.5766

■ 1.7114, 3.3505,
0.9012

■ 61.6334, 79.3587,
56.9759

■ 0.4634, 1.3174,
0.0000

■ 81.9441, 103.6549,
77.2875

■ 0.0000, 0.1546,
0.0000

■ 106.2884,
132.4637, 101.9300

■ 0.0000, 0.0000,
0.0000

135.0318,

166.1696, 131.3219

168.5395,
205.1569, 165.8818

■ 13.4202, 19.6126,
10.6677

■ 13.4202, 19.6126,
10.6677

■ 11.9432, 18.9037,
8.2514

■ 15.2275, 20.4813,
13.6235

■ 10.7752, 18.3427,
6.3409

■ 17.3818, 21.5162,
17.1473

■ 9.8947, 17.9197,
4.9007

■ 19.9005, 22.7260,
21.2670

■ 9.2768, 17.6229,
3.8900

■ 22.7993, 24.1185,
26.0085

■ 8.8925, 17.4383,
3.2614

■ 26.0931, 25.7006,
31.3961

■ 8.6644, 17.3287,
2.8882

■ 29.7959, 27.4793,
37.4526

■ 33.9211, 29.4608,
44.2000

■ 38.4814, 31.6514,
51.6591

■ 43.4890, 34.0568,
59.8499

Harmonies

Analogous

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



16.0561, 19.6126, 7.0593



13.4202, 19.6126, 10.6677



12.2263, 19.6126, 18.3566

Triad

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



13.4202, 19.6126, 10.6677



17.5626, 19.6126, 50.0023



26.4304, 19.6126, 14.4854

Complementary

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



13.4202, 19.6126, 10.6677



17.2341, 12.6379, 24.4533

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.



26.9802, 19.6126, 24.6629



13.4202, 19.6126, 10.6677



21.4898, 19.6126, 47.8491

Square

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



13.4202, 19.6126, 10.6677



14.3922, 19.6126, 42.6544



25.0661, 19.6126, 37.5077



23.6536, 19.6126, 8.6753

Rectangle

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



13.4202, 19.6126, 10.6677



12.2762, 19.6126, 25.8635



25.0661, 19.6126, 37.5077



26.8957, 19.6126, 17.4031

Sweetspot

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



13.4207, 19.6134, 10.6681



34.9043, 40.3445, 36.8860



20.1045, 23.0590, 10.9807



7.9650, 9.2864, 8.3486



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.



13.4207, 19.6134, 10.6681



21.5404, 33.9251, 15.0270



14.6530, 20.1063, 17.1573



4.6163, 5.2048, 4.9907



7.9893, 15.9786, 2.6632



0.0277, 0.0554, 0.0092

Inverse Universe

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



17.2341, 12.6379, 24.4533



29.3584, 19.6244, 43.2881



15.5411, 11.9607, 15.5382



4.8579, 4.7628, 5.8640



13.2461, 6.3628, 21.6659



0.0459, 0.0220, 0.0751

Previews

White Background



This preview shows how the XYZ color 13.4202, 19.6126, 10.6677 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 13.4202, 19.6126, 10.6677 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 13.4202, 19.6126, 10.6677

Background



This preview shows how black text looks on a background with the XYZ color 13.4202, 19.6126, 10.6677.



This preview shows how white text looks on a background with the XYZ color 13.4202, 19.6126,

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

13.4202, 19.6126, 10.6677

Protanopia

17.9024, 19.4136, 9.4603

Deuteranopia

19.6386, 19.3824, 11.0936



Tritanopia

16.7202, 19.5486, 26.9368

Trichromacy



Original Color

13.4202, 19.6126, 10.6677

Protanomaly

15.8684, 19.2920, 9.9086

Deuteranomaly

16.6541, 19.1048, 10.9934

Tritanomaly

15.3517, 19.5917, 19.8021

Monochromacy



Original Color

13.4202, 19.6126, 10.6677

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.2723, 17.0624, 14.5977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4202, 19.6126, 10.6677 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(80, 135, 80)` looks like.

```
.text, #text, p{  
    color:rgb(80, 135, 80)  
}
```

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(80, 135, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 135, 80) }
```

Border

The CSS property to change the border of an element to XYZ 13.4202, 19.6126, 10.6677 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(80, 135, 80) }
```


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

```
.border{ border-color:rgb(80, 135, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 135, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 135, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 135, 80);  
box-shadow:4px 4px 4px 4px rgb(80, 135,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4202, 19.6126, 10.6677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 135, 80) }
```

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

```
.background{ background-color: rgb(80, 135,  
80) }
```

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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