

Converting Colors

XYZ(13.8175, 19.8058, 11.9792)

Have a look what the booklet for
XYZ(13.8175, 19.8058, 11.9792)
contains.

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Color

**XYZ(13.8234, 19.7937,
11.8961)**

Conversions

Conversions Part 1

Format	Color
Hex	528756
RGB	82, 135, 86
RGB Percent	32%, 53%, 34%
CMY	0.6784, 0.4706, 0.6627
CMYK	0.39, 0.00, 0.36, 0.47
HSL	125°, 24%, 43%
HSV	125°, 39%, 53%
XYZ	13.8234, 19.7937, 11.8961
YIQ	113.5670, -15.8590, -26.4750

Conversions

Conversions Part 2

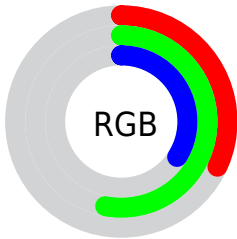
Format	Color
R_{YB}	82, 131, 135
Decimal	5408598
CIE _{Lab}	51.60, -28.45, 20.95
CIE _{LCh}	52, 35.328, 143.638
Yxy	19.7937, 0.3037, 0.4349
Android (android.graphics.Color)	4283598678 (0xFF528756)
YUV	113.5670, -13.5905, -27.6843
Hunter-Lab	44.4901, -22.3965, 15.2897

Details

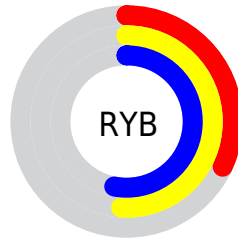
The XYZ color **13.8234, 19.7937, 11.8961** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.1064, 12.8246, 23.0474**, and the grayscale version is **15.9078, 16.7363, 18.2258**.

A 20% lighter version of the original color is **32.4730, 43.2411, 29.9274**, and **4.2272, 6.9573, 3.1276** is the 20% darker color. If you saturate the color by 10%, you get **12.3033, 19.0637, 9.4253**, and if you desaturate by 10%, it is **15.6634, 20.6796, 14.8412**.

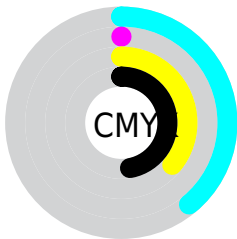
Distribution



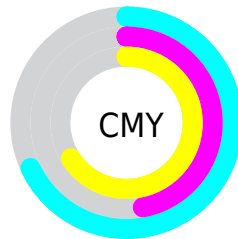
- Red (32%)
- Green (53%)
- Blue (34%)



- Red (32%)
- Yellow (51%)
- Blue (53%)



- Cyan (39%)
- Magenta (0%)
- Yellow (36%)
- Black (47%)



- Cyan (68%)
- Magenta (47%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8234, 19.7937, 11.8961 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 13.8234, 19.7937, 11.8961 by changing the saturation by 10% instead.

■ 13.8234, 19.7937,
11.8961

■ 13.8234, 19.7937,
11.8961

209.6621,
250.7961, 214.6697

■ 8.0788, 12.2452,
6.5513

■ 32.3642, 43.0710,
29.9673

■ 4.1977, 6.9109,
3.1089

■ 45.8912, 59.5686,
43.5308

■ 1.8146, 3.4064,
1.1505

■ 62.7430, 79.8180,
60.6708

■ 0.5264, 1.3474,
0.0000

■ 83.2850, 104.2037,
81.8061

■ 0.0000, 0.1775,
0.0000

■ 107.8826,
133.1099, 107.3551

■ 0.0000, 0.0000,
0.0000

136.9010,

166.9211, 137.7363

170.7057,
206.0217, 173.3683

■ 13.8234, 19.7937,
11.8961

■ 13.8234, 19.7937,
11.8961

■ 12.3033, 19.0637,
9.4253

■ 15.6634, 20.6796,
14.8412

■ 11.0833, 18.4783,
7.4029

■ 17.8385, 21.7270,
18.2821

■ 10.1440, 18.0285,
5.8022

■ 20.3648, 22.9443,
22.2408

■ 9.4629, 17.7035,
4.5935

■ 23.2568, 24.3386,
26.7373

■ 9.0140, 17.4904,
3.7431

■ 26.5283, 25.9167,
31.7909

■ 8.7379, 17.3596,
3.2103

■ 30.1925, 27.6849,
37.4195

■ 8.7202, 17.3511,
3.1821

■ 34.2616, 29.6491,
43.6406

■ 38.7476, 31.8152,
50.4706

■ 43.6619, 34.1887,
57.9257

Harmonies

Analogous

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



16.2008, 19.7937, 8.1227



13.8234, 19.7937, 11.8961



12.7992, 19.7937, 19.4527

Triad

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



13.8234, 19.7937, 11.8961



18.0653, 19.7937, 47.4844



25.8039, 19.7937, 14.6105

Complementary

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



13.8234, 19.7937, 11.8961



17.1064, 12.8246, 23.0474

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.



26.4663, 19.7937, 23.7971



13.8234, 19.7937, 11.8961



21.6926, 19.7937, 44.9510

Square

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



13.8234, 19.7937, 11.8961



15.0410, 19.7937, 41.4987



24.8792, 19.7937, 35.3836



23.1688, 19.7937, 9.3091

Rectangle

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



13.8234, 19.7937, 11.8961



12.9162, 19.7937, 26.5110



24.8792, 19.7937, 35.3836



26.2774, 19.7937, 17.2535

Sweetspot

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



13.8239, 19.7945, 11.8965



35.0389, 40.3983, 37.5945



19.6203, 22.8008, 11.3497



7.9984, 9.2998, 8.5246



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.



13.8239, 19.7945, 11.8965



22.3313, 34.2818, 17.3690



15.0707, 20.2933, 18.4622



4.6295, 5.2100, 5.0603



8.0431, 16.0001, 2.9463



0.0287, 0.0558, 0.0148

Inverse Universe

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



17.1064, 12.8246, 23.0474



29.0580, 19.9888, 40.2124



15.5577, 12.2051, 14.8920



4.8431, 4.7569, 5.7863



12.6180, 6.1115, 18.3585



0.0448, 0.0216, 0.0695

Previews

White Background



This preview shows how the XYZ color 13.8234, 19.7937, 11.8961 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 13.8234, 19.7937, 11.8961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

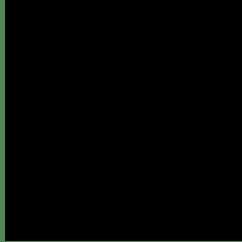
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.8234, 19.7937, 11.8961

Background



This preview shows how black text looks on a background with the XYZ color 13.8234, 19.7937, 11.8961.



This preview shows how white text looks on a background with the XYZ color 13.8234, 19.7937,

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

13.8234, 19.7937, 11.8961

Protanopia

18.1176, 19.4997, 10.5935

Deuteranopia

19.8838, 19.4805, 12.3850



Tritanopia

17.0247, 19.8917, 27.3683

Trichromacy



Original Color

13.8234, 19.7937, 11.8961

Protanomaly

16.0901, 19.3807, 11.0764

Deuteranomaly

17.0369, 19.2741, 12.2735

Tritanomaly

15.6263, 19.7125, 20.7506

Monochromacy



Original Color

13.8234, 19.7937, 11.8961

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.9377, 17.7433, 15.7342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8234, 19.7937, 11.8961 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(82, 135, 86)` looks like.

```
.text, #text, p{  
    color:rgb(82, 135, 86)  
}
```

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(82, 135, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 135, 86) }
```

Border

The CSS property to change the border of an element to XYZ 13.8234, 19.7937, 11.8961 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(82, 135, 86) }
```


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

```
.border{ border-color:rgb(82, 135, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 135, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 135, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 135, 86);  
box-shadow:4px 4px 4px 4px rgb(82, 135,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8234, 19.7937, 11.8961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 135, 86) }
```

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

```
.background{ background-color: rgb(82, 135,  
86) }
```

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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