

Converting Colors

XYZ(13.3508, 19.6014, 14.5876)

Have a look what the booklet for
XYZ(13.3508, 19.6014, 14.5876)
contains.

XYZ(13.3927, 19.7191, 14.6556)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.3927, 19.7191,
14.6556)**

Conversions

Conversions Part 1

Format	Color
Hex	448862
RGB	68, 136, 98
RGB Percent	27%, 53%, 38%
CMY	0.7333, 0.4667, 0.6157
CMYK	0.50, 0.00, 0.28, 0.47
HSL	146°, 33%, 40%
HSV	146°, 50%, 53%
XYZ	13.3927, 19.7191, 14.6556
YIQ	111.3360, -28.3300, -26.2340

Conversions

Conversions Part 2

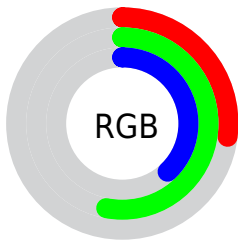
Format	Color
RYB	68, 115, 136
Decimal	4491362
CIELab	51.52, -30.84, 13.91
CIELCh	52, 33.836, 155.719
Yxy	19.7191, 0.2804, 0.4128
Android (android.graphics.Color)	4282681442 (0xFF448862)
YUV	111.3360, -6.5746, -38.0057
Hunter-Lab	44.4062, -23.8761, 11.5166

Details

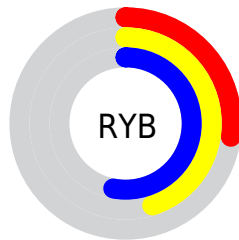
The XYZ color **13.3927, 19.7191, 14.6556** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.8227, 10.4096, 14.8646**, and the grayscale version is **15.2320, 16.0252, 17.4515**.

A 20% lighter version of the original color is **31.7234, 43.0618, 35.0735**, and **3.9587, 6.7941, 4.2347** is the 20% darker color. If you saturate the color by 10%, you get **12.2101, 19.1495, 12.8153**, and if you desaturate by 10%, it is **14.8306, 20.4174, 16.6866**.

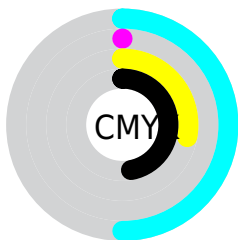
Distribution



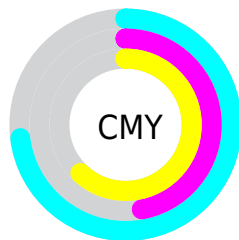
- Red (27%)
- Green (53%)
- Blue (38%)



- Red (27%)
- Yellow (45%)
- Blue (53%)



- Cyan (50%)
- Magenta (0%)
- Yellow (28%)
- Black (47%)



- Cyan (73%)
- Magenta (47%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3927, 19.7191, 14.6556 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 13.3927, 19.7191, 14.6556 by changing the saturation by 10% instead.

■ 13.3927, 19.7191,
14.6556

■ 13.3927, 19.7191,
14.6556

207.0065,
250.3904, 232.8406

■ 7.7784, 12.1910,
8.4341

■ 31.6029, 42.9457,
34.9816

■ 4.0041, 6.8739,
4.2822

■ 44.9294, 59.4131,
49.9231

■ 1.7044, 3.3834,
1.7814

■ 61.5574, 79.6290,
68.6085

■ 0.4590, 1.3350,
0.4157

■ 81.8522, 103.9778,
91.4561

■ 0.0000, 0.1681,
0.0000

■ 106.1791,
132.8439, 118.8846

■ 0.0000, 0.0000,
0.0000

134.9036,

166.6118, 151.3125

168.3909,
205.6658, 189.1583

■ 13.3927, 19.7191,
14.6556

■ 13.3927, 19.7191,
14.6556

■ 12.2101, 19.1495,
12.8153

■ 14.8306, 20.4174,
16.6866

■ 11.2647, 18.6978,
11.1587

■ 16.5369, 21.2496,
18.9125

■ 10.5387, 18.3555,
9.6802


■ 18.5260, 22.2234,
21.3388


■ 10.0107, 18.1117,
8.3734


■ 20.8106, 23.3452,
23.9705


■ 9.6201, 17.9353,
7.2298


■ 23.4025, 24.6212,
26.8126

 9.6201, 17.9353,
7.2297

 26.3131, 26.0570,
29.8695

 29.5530, 27.6581,
33.1458

 33.1324, 29.4295,
36.6459

 37.0609, 31.3763,
40.3740

Harmonies

Analogous

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



15.1791, 19.7191, 9.5754



13.3927, 19.7191, 14.6556



12.9612, 19.7191, 23.3911

Triad

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



13.3927, 19.7191, 14.6556



19.4015, 19.7191, 46.0067



24.5666, 19.7191, 12.2904

Complementary

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



13.3927, 19.7191, 14.6556



14.8227, 10.4096, 14.8646

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.



26.0286, 19.7191, 19.6585



13.3927, 19.7191, 14.6556



22.8238, 19.7191, 40.5401

Square

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



13.3927, 19.7191, 14.6556



16.1807, 19.7191, 43.4576



25.3552, 19.7191, 30.1262



21.5611, 19.7191, 8.5271

Rectangle

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



13.3927, 19.7191, 14.6556



13.4482, 19.7191, 30.6633



25.3552, 19.7191, 30.1262



25.2704, 19.7191, 14.3278

Sweetspot

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



13.3932, 19.7199, 14.6560



34.4627, 40.0535, 39.7259



15.8557, 21.1235, 8.7107



7.8130, 9.1934, 9.0050



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.



13.3932, 19.7199, 14.6560



21.2770, 33.6306, 22.1853



15.3172, 20.4895, 24.7874



5.0575, 5.6425, 5.8239



9.1093, 16.9763, 6.8664



0.0677, 0.1156, 0.0834

Inverse Universe

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



14.8227, 10.4096, 14.8646



24.0947, 15.2473, 22.5734



13.4082, 9.8438, 7.4162



5.1422, 5.0923, 5.8372



10.8493, 5.4498, 6.9766



0.0795, 0.0392, 0.0852

Previews

White Background



This preview shows how the XYZ color 13.3927, 19.7191, 14.6556 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 13.3927, 19.7191, 14.6556 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 13.3927, 19.7191, 14.6556

Background



This preview shows how black text looks on a background with the XYZ color 13.3927, 19.7191, 14.6556.



This preview shows how white text looks on a background with the XYZ color 13.3927, 19.7191,

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

13.3927, 19.7191, 14.6556

Protanopia

18.2514, 19.5171, 12.9304

Deuteranopia

19.7441, 19.3446, 15.2636



Tritanopia

16.0148, 19.5506, 28.1289

Trichromacy



Original Color

13.3927, 19.7191, 14.6556

Protanomaly

15.7941, 19.1750, 13.4584

Deuteranomaly

16.4960, 18.9323, 15.0968

Tritanomaly

14.8546, 19.4791, 22.3790

Monochromacy



Original Color

13.3927, 19.7191, 14.6556

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.0373, 16.9064, 16.1591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3927, 19.7191, 14.6556 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(68, 136, 98)` looks like.

```
.text, #text, p{  
    color:rgb(68, 136, 98)  
}
```

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(68, 136, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 136, 98) }
```

Border

The CSS property to change the border of an element to XYZ 13.3927, 19.7191, 14.6556 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(68, 136, 98) }
```


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

```
.border{ border-color:rgb(68, 136, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 136, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 136, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 136, 98);  
box-shadow:4px 4px 4px 4px rgb(68, 136,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3927, 19.7191, 14.6556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 136, 98) }
```

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

```
.background{ background-color: rgb(68, 136,  
98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor