

Converting Colors

XYZ(23.2468, 27.8955, 21.8069)

Have a look what the booklet for
XYZ(23.2468, 27.8955, 21.8069)
contains.

XYZ(23.1986, 27.7580, 21.9044)	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(23.1986, 27.7580,
21.9044)**

Conversions

Conversions Part 1

Format	Color
Hex	809678
RGB	128, 150, 120
RGB Percent	50%, 59%, 47%
CMY	0.4980, 0.4118, 0.5294
CMYK	0.15, 0.00, 0.20, 0.41
HSL	104°, 13%, 53%
HSV	104°, 20%, 59%
XYZ	23.1986, 27.7580, 21.9044
YIQ	140.0020, -3.4820, -13.9940

Conversions

Conversions Part 2

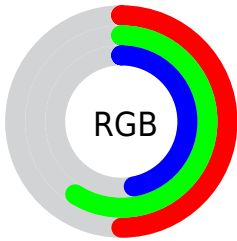
Format	Color
R_{YB}	120, 150, 142
Decimal	8427128
CIE _{Lab}	59.67, -13.69, 13.28
CIE _{LCh}	60, 19.069, 135.880
Yxy	27.7580, 0.3184, 0.3810
Android (android.graphics.Color)	4286617208 (0xFF809678)
YUV	140.0020, -9.8610, -10.5258
Hunter-Lab	52.6859, -13.6033, 12.2300

Details

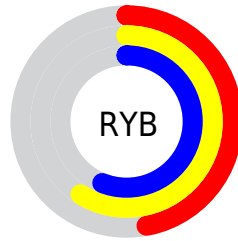
The XYZ color **23.1986, 27.7580, 21.9044** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.3780, 21.3865, 31.7516**, and the grayscale version is **24.9667, 26.2670, 28.6047**.

A 20% lighter version of the original color is **48.0953, 55.9880, 47.3016**, and **8.7411, 10.9983, 7.6234** is the 20% darker color. If you saturate the color by 10%, you get **20.7928, 26.6157, 17.4063**, and if you desaturate by 10%, it is **25.9279, 29.0523, 27.1633**.

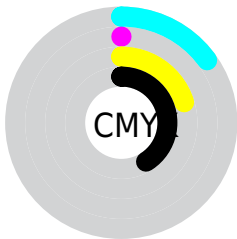
Distribution



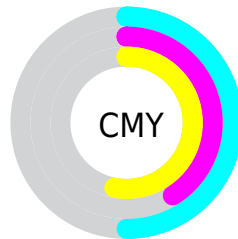
- Red (50%)
- Green (59%)
- Blue (47%)



- Red (47%)
- Yellow (59%)
- Blue (56%)



- Cyan (15%)
- Magenta (0%)
- Yellow (20%)
- Black (41%)



- Cyan (50%)
- Magenta (41%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1986, 27.7580, 21.9044 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 23.1986, 27.7580, 21.9044 by changing the saturation by 10% instead.

■ 23.1986, 27.7580,
21.9044

■ 23.1986, 27.7580,
21.9044

261.2597,
291.3087, 274.9838

■ 14.8617, 18.1433,
13.5890

■ 48.1835, 56.0978,
47.4881

■ 8.8081, 11.0529,
7.6999

■ 65.5622, 75.5918,
65.5935

■ 4.6723, 6.1024,
3.8185

■ 86.6856, 99.1476,
87.7993

■ 2.0891, 2.9075,
1.5263

111.9190,
127.1497, 114.5241

■ 0.6833, 1.0836,
0.2374

141.6277,
159.9825, 146.1865

■ 0.0000, 0.0000,
0.0000

176.1772,

198.0303, 183.2048

215.9327,
241.6776, 225.9978

■ 23.1986, 27.7580,
21.9044

■ 23.1986, 27.7580,
21.9044

■ 20.7928, 26.6157,
17.4063

■ 25.9279, 29.0523,
27.1633

■ 18.6961, 25.6161,
13.6320

■ 28.9902, 30.5002,
33.2142

■ 16.8960, 24.7546,
10.5442

■ 32.3973, 32.1080,
40.0883

■ 15.3784, 24.0248,
8.1016

■ 36.1596, 33.8804,
47.8152

■ 14.1279, 23.4196,
6.2584

■ 40.2873, 35.8220,
56.4225

■ 13.1276, 22.9316,
4.9626

■ 44.7899, 37.9373,
65.9369

■ 12.3581, 22.5520,
4.1535

■ 49.6768, 40.2304,
76.3839

■ 11.7818, 22.2649,
3.6766

■ 54.9570, 42.7055,
87.7877

■ 60.6383, 45.3662,
100.1683

Harmonies

Analogous

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



25.1371, 27.7580, 19.1846



23.1986, 27.7580, 21.9044



22.1450, 27.7580, 27.1044

Triad

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



23.1986, 27.7580, 21.9044



25.2702, 27.7580, 44.9842



31.0891, 27.7580, 26.7406

Complementary

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



23.1986, 27.7580, 21.9044



23.3780, 21.3865, 31.7516

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.



31.1302, 27.7580, 33.5736



23.1986, 27.7580, 21.9044



27.6697, 27.7580, 44.8471

Square

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



23.1986, 27.7580, 21.9044



23.2909, 27.7580, 40.7710



29.8466, 27.7580, 40.4208



29.7376, 27.7580, 21.6731

Rectangle

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



23.1986, 27.7580, 21.9044



22.0425, 27.7580, 31.6018



29.8466, 27.7580, 40.4208



31.2593, 27.7580, 28.8864

Sweetspot

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



23.1993, 27.7592, 21.9050



47.7819, 52.2273, 51.9117



25.6420, 27.1874, 21.6659



10.5221, 11.5426, 11.3724



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.1993, 27.7592, 21.9050



38.9715, 48.0518, 34.9433



22.4837, 27.3394, 24.1713



5.8661, 6.5388, 6.1934



9.7982, 18.4790, 3.0504



0.1448, 0.2390, 0.0385

Inverse Universe

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



23.3780, 21.3865, 31.7516



39.3434, 34.7152, 55.5483



24.2531, 21.9009, 28.9368



5.8860, 5.8322, 7.2852



9.9310, 4.5922, 24.2940



0.1495, 0.0706, 0.2987

Previews

White Background



This preview shows how the XYZ color 23.1986, 27.7580, 21.9044 looks on a white background.

Color Contrast Check

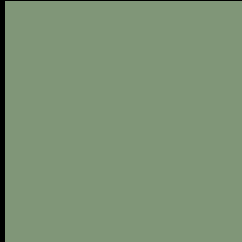
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1986, 27.7580, 21.9044 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 23.1986, 27.7580, 21.9044

Background



This preview shows how black text looks on a background with the XYZ color 23.1986, 27.7580, 21.9044.



This preview shows how white text looks on a background with the XYZ color 23.1986, 27.7580,

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

23.1986, 27.7580, 21.9044

Protanopia

25.9822, 27.6047, 20.7884

Deuteranopia

28.1184, 27.5814, 22.2541



Tritanopia

26.0427, 27.7535, 35.8826

Trichromacy



Original Color

23.1986, 27.7580, 21.9044

Protanomaly

24.8766, 27.7054, 21.1761

Deuteranomaly

26.0731, 27.4019, 22.0041

Tritanomaly

24.9835, 27.7866, 30.4321

Monochromacy



Original Color

23.1986, 27.7580, 21.9044

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.3602, 26.8742, 26.0936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1986, 27.7580, 21.9044 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(128, 150, 120)` looks like.

```
.text, #text, p{  
    color:rgb(128, 150, 120)  
}
```

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(128, 150, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 150, 120) }
```

Border

The CSS property to change the border of an element to XYZ 23.1986, 27.7580, 21.9044 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(128, 150, 120) }
```


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

```
.border{ border-color:rgb(128, 150, 120) }
```

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

Here you see how a box with a 4 pixel rgb(128, 150, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 150, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 150, 120);  
box-shadow:4px 4px 4px 4px rgb(128, 150,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1986, 27.7580, 21.9044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 150, 120) }
```

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

```
.background{ background-color: rgb(128,  
150, 120) }
```

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