

Converting Colors

XYZ(23.8073, 27.9897, 30.5154)

Have a look what the booklet for
XYZ(23.8073, 27.9897, 30.5154)
contains.

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Color

**XYZ(23.6861, 27.8194,
30.5068)**

Conversions

Conversions Part 1

Format	Color
Hex	789690
RGB	120, 150, 144
RGB Percent	47%, 59%, 56%
CMY	0.5294, 0.4118, 0.4353
CMYK	0.20, 0.00, 0.04, 0.41
HSL	168°, 13%, 53%
HSV	168°, 20%, 59%
XYZ	23.6861, 27.8194, 30.5068
YIQ	140.3460, -15.9540, -8.2260

Conversions

Conversions Part 2

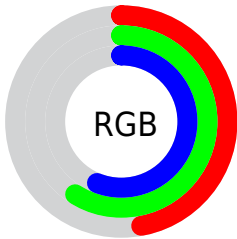
Format	Color
R_{YB}	120, 137, 150
Decimal	7902864
CIE _{Lab}	59.73, -11.76, -0.31
CIE _{LCh}	60, 11.760, 181.510
Yxy	27.8194, 0.2888, 0.3392
Android (android.graphics.Color)	4286092944 (0xFF789690)
YUV	140.3460, 1.8014, -17.8434
Hunter-Lab	52.7441, -12.1421, 2.6280

Details

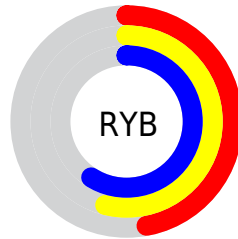
The XYZ color **23.6861, 27.8194, 30.5068** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.0610, 21.4240, 22.6597**, and the grayscale version is **25.0601, 26.3652, 28.7117**.

A 20% lighter version of the original color is **49.0195, 56.1472, 61.6800**, and **9.0808, 11.0714, 12.2481** is the 20% darker color. If you saturate the color by 10%, you get **21.5404, 26.7401, 29.2254**, and if you desaturate by 10%, it is **26.1654, 29.0714, 31.8369**.

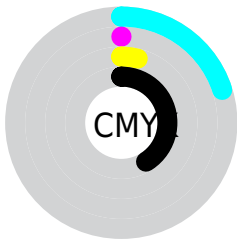
Distribution



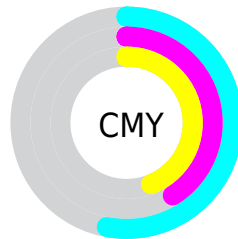
- Red (47%)
- Green (59%)
- Blue (56%)



- Red (47%)
- Yellow (54%)
- Blue (59%)



- Cyan (20%)
- Magenta (0%)
- Yellow (4%)
- Black (41%)



- Cyan (53%)
- Magenta (41%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6861, 27.8194, 30.5068 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 23.6861, 27.8194, 30.5068 by changing the saturation by 10% instead.

■ 23.6861, 27.8194,
30.5068

■ 23.6861, 27.8194,
30.5068

263.6997,
291.6029, 318.5402

■ 15.2244, 18.1896,
19.9683

■ 48.9759, 56.1960,
61.5332

■ 9.0644, 11.0862,
12.1881

■ 66.5347, 75.7115,
82.8581

■ 4.8406, 6.1248,
6.7478

■ 87.8566, 99.2911,
108.6156

■ 2.1879, 2.9211,
3.2289

113.3069,
127.3190, 139.2242

■ 0.7363, 1.0907,
1.2126

143.2510,
160.1798, 175.1024

■ 0.0000, 0.0000,
0.0000

178.0543,

198.2578, 216.6688

218.0820,
241.9374, 264.3419

■ 23.6861, 27.8194,
30.5068

■ 23.6861, 27.8194,
30.5068

■ 21.5404, 26.7401,
29.2254

■ 26.1654, 29.0714,
31.8369

■ 19.7108, 25.8224,
27.9897

■ 28.9902, 30.5001,
33.2146

■ 18.1816, 25.0588,
26.7995

■ 32.1745, 32.1134,
34.6415

■ 16.9350, 24.4403,
25.6536

■ 35.7310, 33.9178,
36.1183

■ 15.9512, 23.9565,
24.5508

■ 39.6718, 35.9196,
37.6459

■ 15.2078, 23.5960,
23.4899

■ 44.0084, 38.1247,
39.2250

■ 14.6786, 23.3452,
22.4693

■ 48.7516, 40.5388,
40.8564

■ 14.2966, 23.1696,
21.4858

■ 53.9121, 43.1672,
42.5409

■ 59.4985, 46.0144,
44.2789

Harmonies

Analogous

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



24.0083, 27.8194, 26.5515



23.6861, 27.8194, 30.5068



24.0789, 27.8194, 34.7732

Triad

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



23.6861, 27.8194, 30.5068



27.9636, 27.8194, 37.8186



27.8284, 27.8194, 23.6510

Complementary

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



23.6861, 27.8194, 30.5068



23.0610, 21.4240, 22.6597

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.



28.9538, 27.8194, 26.2108



23.6861, 27.8194, 30.5068



29.0338, 27.8194, 34.3652

Square

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



23.6861, 27.8194, 30.5068



26.5169, 27.8194, 39.2319



29.4027, 27.8194, 30.0754



26.3663, 27.8194, 22.8228

Rectangle

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



23.6861, 27.8194, 30.5068



24.7023, 27.8194, 37.1597



29.4027, 27.8194, 30.0754



28.2605, 27.8194, 24.3249

Sweetspot

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



23.6869, 27.8206, 30.5074



48.0356, 52.2431, 57.1161



22.9755, 27.6437, 21.8945



10.5836, 11.5466, 12.6272



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.



23.6869, 27.8206, 30.5074



40.0353, 48.2058, 52.8143



22.8504, 25.3936, 32.5527



5.9149, 6.5426, 7.1628



11.8682, 19.2201, 17.8794



0.1554, 0.2393, 0.2723

Inverse Universe

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



23.0610, 21.4240, 22.6597



38.7265, 34.8205, 36.3965



23.7533, 23.4100, 21.0364



5.8454, 5.8332, 6.2922



10.6359, 5.4594, 1.5637



0.1389, 0.0703, 0.0648

Previews

White Background



This preview shows how the XYZ color 23.6861, 27.8194, 30.5068 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 23.6861, 27.8194, 30.5068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

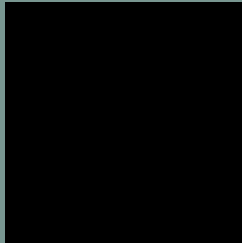
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

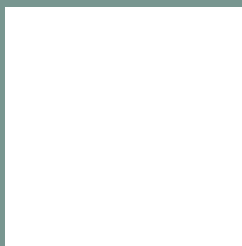
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6861, 27.8194, 30.5068

Background



This preview shows how black text looks on a background with the XYZ color 23.6861, 27.8194, 30.5068.

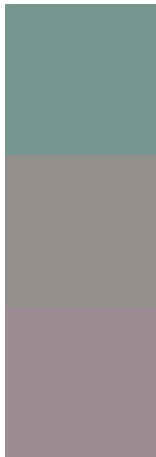


This preview shows how white text looks on a background with the XYZ color 23.6861, 27.8194,

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

23.6861, 27.8194, 30.5068

Protanopia

26.5887, 27.7414, 28.7642

Deuteranopia

28.1312, 27.6085, 31.0404



Tritanopia

25.0163, 27.8940, 36.8665

Trichromacy



Original Color

23.6861, 27.8194, 30.5068

Protanomaly

25.4031, 27.7992, 29.2262

Deuteranomaly

26.2610, 27.5289, 30.7176

Tritanomaly

24.6062, 27.9656, 34.6729

Monochromacy



Original Color

23.6861, 27.8194, 30.5068

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.4538, 26.8562, 29.0942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6861, 27.8194, 30.5068 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(120, 150, 144)` looks like.

```
.text, #text, p{  
    color:rgb(120, 150, 144)  
}
```

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(120, 150, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 150, 144) }
```

Border

The CSS property to change the border of an element to XYZ 23.6861, 27.8194, 30.5068 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(120, 150, 144) }
```


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

```
.border{ border-color:rgb(120, 150, 144) }
```

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

Here you see how a box with a 4 pixel rgb(120, 150, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 150, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 150, 144);  
box-shadow:4px 4px 4px 4px rgb(120, 150,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6861, 27.8194, 30.5068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 150, 144) }
```

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

```
.background{ background-color: rgb(120,  
150, 144) }
```

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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