

Converting Colors

XYZ(23.7139, 28.1678, 21.7446)

Have a look what the booklet for
XYZ(23.7139, 28.1678, 21.7446)
contains.

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Color

**XYZ(23.7565, 28.2904,
21.6613)**

Conversions

Conversions Part 1

Format	Color
Hex	839777
RGB	131, 151, 119
RGB Percent	51%, 59%, 47%
CMY	0.4863, 0.4078, 0.5333
CMYK	0.13, 0.00, 0.21, 0.41
HSL	98°, 13%, 53%
HSV	98°, 21%, 59%
XYZ	23.7565, 28.2904, 21.6613
YIQ	141.3720, -1.6480, -14.1920

Conversions

Conversions Part 2

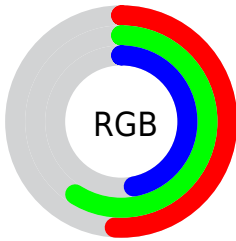
Format	Color
R_{YB}	119, 151, 139
Decimal	8623991
CIE _{Lab}	60.15, -13.28, 14.54
CIE _{LCh}	60, 19.689, 132.400
Y _{xy}	28.2904, 0.3223, 0.3838
Android (android.graphics.Color)	4286814071 (0xFF839777)
YUV	141.3720, -11.0294, -9.0962
Hunter-Lab	53.1887, -13.3540, 13.0860

Details

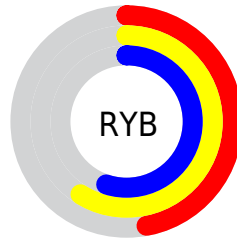
The XYZ color **23.7565, 28.2904, 21.6613** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.8313, 20.9178, 32.1138**, and the grayscale version is **25.5066, 26.8349, 29.2232**.

A 20% lighter version of the original color is **48.9492, 56.7933, 46.9104**, and **9.0560, 11.3059, 7.4993** is the 20% darker color. If you saturate the color by 10%, you get **21.5251, 27.2375, 17.1933**, and if you desaturate by 10%, it is **26.2667, 29.4721, 26.8958**.

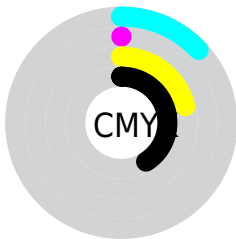
Distribution



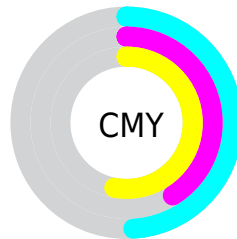
- Red (51%)
- Green (59%)
- Blue (47%)



- Red (47%)
- Yellow (59%)
- Blue (55%)



- Cyan (13%)
- Magenta (0%)
- Yellow (21%)
- Black (41%)



- Cyan (49%)
- Magenta (41%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7565, 28.2904, 21.6613 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 23.7565, 28.2904, 21.6613 by changing the saturation by 10% instead.

■ 23.7565, 28.2904,
21.6613

■ 23.7565, 28.2904,
21.6613

264.0505,
293.8520, 273.6679

■ 15.2768, 18.5447,
13.4123

■ 49.0901, 56.9477,
47.0805

■ 9.1015, 11.3417,
7.5790

■ 66.6748, 76.6282,
65.0879

■ 4.8651, 6.2972,
3.7429

■ 88.0252, 100.3889,
87.1851

■ 2.2023, 3.0266,
1.4854

113.5067,
128.6145, 113.7907

■ 0.7439, 1.1456,
0.2070

143.4846,
161.6891, 145.3232

■ 0.0000, 0.0166,
0.0000

178.3243,

■ 0.0000, 0.0000,

199.9973, 182.2013

0.0000

218.3911,
243.9235, 224.8433

■ 23.7565, 28.2904,
21.6613

■ 23.7565, 28.2904,
21.6613

■ 21.5251, 27.2375,
17.1933

■ 26.2667, 29.4721,
26.8958

■ 19.5599, 26.3051,
13.4539

■ 29.0633, 30.7831,
32.9284

■ 17.8507, 25.4897,
10.4050

■ 32.1561, 32.2288,
39.7913

■ 16.3856, 24.7861,
8.0041

■ 35.5541, 33.8131,
47.5144

■ 15.1516, 24.1885,
6.2041

■ 39.2656, 35.5397,
56.1260

■ 14.1343, 23.6907,
4.9516

■ 43.2988, 37.4122,
65.6533

■ 13.3173, 23.2857,
4.1837

■ 47.6613, 39.4340,
76.1220

■ 12.7330, 22.9931,
3.7670

■ 52.3608, 41.6084,
87.5571

■ 57.4045, 43.9387,
99.9826

Harmonies

Analogous

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



25.8634, 28.2904, 19.1542



23.7565, 28.2904, 21.6613



22.5355, 28.2904, 26.8003

Triad

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



23.7565, 28.2904, 21.6613



25.4524, 28.2904, 45.9911



31.8974, 28.2904, 27.9223

Complementary

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



23.7565, 28.2904, 21.6613



22.8313, 20.9178, 32.1138

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.



31.7703, 28.2904, 35.1865



23.7565, 28.2904, 21.6613



27.9417, 28.2904, 46.4174

Square

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



23.7565, 28.2904, 21.6613



23.4719, 28.2904, 41.1249



30.2858, 28.2904, 42.2121



30.6231, 28.2904, 22.3719

Rectangle

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



23.7565, 28.2904, 21.6613



22.3385, 28.2904, 31.3875



30.2858, 28.2904, 42.2121



32.0193, 28.2904, 30.2267

Sweetspot

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



23.7572, 28.2916, 21.6619



49.5134, 53.9396, 53.4625



25.2874, 26.3004, 21.1969



11.1874, 12.2287, 12.0083



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.7572, 28.2916, 21.6619



40.7626, 49.8240, 35.1805



22.2337, 27.4798, 22.7843



6.3401, 7.0328, 6.6291



10.8613, 19.5751, 3.2059



0.2006, 0.3123, 0.0497

Inverse Universe

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



22.8313, 20.9178, 32.1138



38.8255, 34.4090, 57.0289



24.6478, 21.8887, 30.6408



6.2366, 6.2079, 7.7985



8.7446, 3.9590, 25.2110



0.1708, 0.0798, 0.3788

Previews

White Background



This preview shows how the XYZ color 23.7565, 28.2904, 21.6613 looks on a white background.

Color Contrast Check

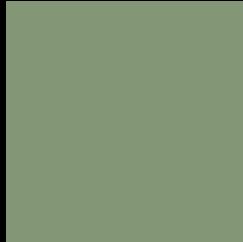
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7565, 28.2904, 21.6613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

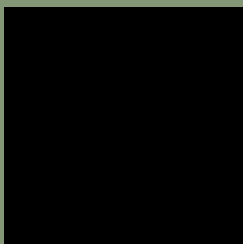
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7565, 28.2904, 21.6613

Background



This preview shows how black text looks on a background with the XYZ color 23.7565, 28.2904, 21.6613.



This preview shows how white text looks on a background with the XYZ color 23.7565, 28.2904,

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

23.7565, 28.2904, 21.6613

Protanopia

26.4521, 28.0775, 20.5483

Deuteranopia

28.6202, 28.0612, 21.9971



Tritanopia

26.6812, 28.3105, 35.9565

Trichromacy



Original Color

23.7565, 28.2904, 21.6613

Protanomaly

25.4987, 28.2628, 20.9410

Deuteranomaly

26.5391, 27.8710, 21.7502

Tritanomaly

25.5395, 28.3139, 30.1056

Monochromacy



Original Color

23.7565, 28.2904, 21.6613

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.6756, 27.2626, 26.1520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7565, 28.2904, 21.6613 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(131, 151, 119)` looks like.

```
.text, #text, p{  
    color:rgb(131, 151, 119)  
}
```

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(131, 151, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 151, 119) }
```

Border

The CSS property to change the border of an element to XYZ 23.7565, 28.2904, 21.6613 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(131, 151, 119) }
```


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

```
.border{ border-color:rgb(131, 151, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 151, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 151, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 151, 119);  
box-shadow:4px 4px 4px 4px rgb(131, 151,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7565, 28.2904, 21.6613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 151, 119) }
```

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

```
.background{ background-color: rgb(131,  
151, 119) }
```

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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