

Converting Colors

XYZ(27.7800, 30.6648, 30.1616)

Have a look what the booklet for
XYZ(27.7800, 30.6648, 30.1616)
contains.

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Color

**XYZ(27.7753, 30.6648,
30.0462)**

Conversions

Conversions Part 1

Format	Color
Hex	90998E
RGB	144, 153, 142
RGB Percent	56%, 60%, 56%
CMY	0.4353, 0.4000, 0.4431
CMYK	0.06, 0.00, 0.07, 0.40
HSL	109°, 5%, 58%
HSV	109°, 7%, 60%
XYZ	27.7753, 30.6648, 30.0462
YIQ	149.0550, -1.8330, -5.3290

Conversions

Conversions Part 2

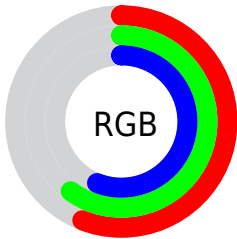
Format	Color
RYB	142, 153, 151
Decimal	9476494
CIELab	62.22, -5.37, 4.66
CIELCh	62, 7.110, 139.054
Yxy	30.6648, 0.3139, 0.3465
Android (android.graphics.Color)	4287666574 (0xFF90998E)
YUV	149.0550, -3.4781, -4.4332
Hunter-Lab	55.3758, -7.3759, 6.5931

Details

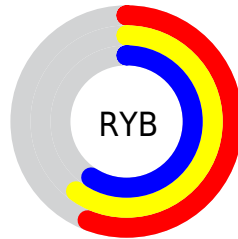
The XYZ color **27.7753, 30.6648, 30.0462** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.1866, 28.2262, 34.1013**, and the grayscale version is **28.6056, 30.0954, 32.7739**.

A 20% lighter version of the original color is **55.5653, 60.6169, 60.9962**, and **11.2992, 12.6551, 11.9724** is the 20% darker color. If you saturate the color by 10%, you get **24.6378, 29.1720, 24.3088**, and if you desaturate by 10%, it is **31.3147, 32.3484, 36.6269**.

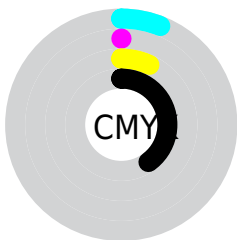
Distribution



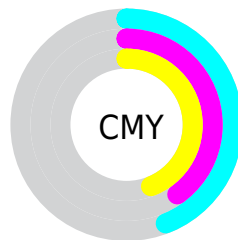
- Red (56%)
- Green (60%)
- Blue (56%)



- Red (56%)
- Yellow (60%)
- Blue (59%)



- Cyan (6%)
- Magenta (0%)
- Yellow (7%)
- Black (40%)



- Cyan (44%)
- Magenta (40%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7753, 30.6648, 30.0462 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 27.7753, 30.6648, 30.0462 by changing the saturation by 10% instead.

■ 27.7753, 30.6648,
30.0462

■ 27.7753, 30.6648,
30.0462

283.4912,
304.9911, 316.3337

■ 18.2959, 20.3437,
19.6213

■ 55.5367, 60.7119,
60.7971

■ 11.2636, 12.6452,
11.9387

■ 74.5494, 81.2068,
81.9602

■ 6.3130, 7.1847,
6.5799

■ 97.4705, 105.8617,
107.5398

■ 3.0788, 3.5779,
3.1264

124.6656,
135.0611, 137.9544

■ 1.1956, 1.4403,
1.1595

156.4998,
169.1894, 173.6225

■ 0.1029, 0.2462,
0.0000

193.3386,

■ 0.0000, 0.0000,

208.6308, 214.9628

0.0000

235.5473,
253.7699, 262.3937

■ 27.7753, 30.6648,
30.0462

■ 27.7753, 30.6648,
30.0462

■ 24.6378, 29.1720,
24.3088

■ 31.3147, 32.3484,
36.6269

■ 21.8855, 27.8594,
19.3787

■ 35.2672, 34.2250,
44.0809

■ 19.5041, 26.7213,
15.2203

■ 39.6463, 36.3021,
52.4392

■ 17.4775, 25.7503,
11.7944

■ 44.4645, 38.5853,
61.7309

■ 15.7883, 24.9383,
9.0586

■ 49.7335, 41.0801,
71.9834

■ 14.4176, 24.2766,
6.9661

■ 55.4648, 43.7918,
83.2234

■ 13.3448, 23.7556,
5.4642

■ 61.6694, 46.7256,
95.4762

■ 12.5464, 23.3648,
4.4918

■ 66.8061, 49.2657,
100.5959

■ 11.9902, 23.0895,
3.9482

■ 70.6819, 51.2637,
100.7773

Harmonies

Analogous

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



28.5482, 30.6648, 28.6419



27.7753, 30.6648, 30.0462



27.3729, 30.6648, 32.3960

Triad

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



27.7753, 30.6648, 30.0462



28.7972, 30.6648, 38.8464



30.9238, 30.6648, 31.6943

Complementary

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



27.7753, 30.6648, 30.0462



28.1866, 28.2262, 34.1013

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.



30.9941, 30.6648, 34.4016



27.7753, 30.6648, 30.0462



29.7521, 30.6648, 38.6331

Square

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



27.7753, 30.6648, 30.0462



27.9542, 30.6648, 37.5384



30.5610, 30.6648, 36.9704



30.3711, 30.6648, 29.5568

Rectangle

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



27.7753, 30.6648, 30.0462



27.3627, 30.6648, 34.2267



30.5610, 30.6648, 36.9704



31.0051, 30.6648, 32.5646

Sweetspot

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



27.7761, 30.6661, 30.0469



52.9146, 56.4256, 59.6859



29.0847, 30.8547, 30.0143



11.7017, 12.4677, 13.2120



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.



27.7761, 30.6661, 30.0469



48.5684, 54.3585, 51.6479



27.6958, 30.5940, 31.4302



6.2317, 6.9769, 6.6241



9.8276, 19.0422, 3.1575



0.1698, 0.2964, 0.0483

Inverse Universe

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



28.1866, 28.2262, 34.1013



49.4941, 48.8547, 60.7933



28.2772, 28.3056, 32.6250



6.3511, 6.2669, 7.8039



11.7914, 5.5297, 25.3536



0.2017, 0.0958, 0.3802

Previews

White Background



This preview shows how the XYZ color 27.7753, 30.6648, 30.0462 looks on a white background.

Color Contrast Check

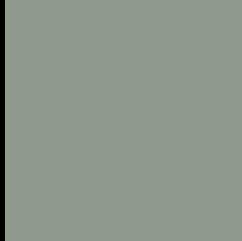
Large Text (above 18pt) WCAG AA × Fail

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 27.7753, 30.6648, 30.0462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

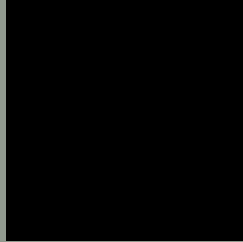
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

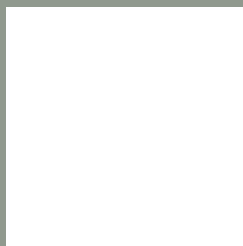
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7753, 30.6648, 30.0462

Background



This preview shows how black text looks on a background with the XYZ color 27.7753, 30.6648, 30.0462.



This preview shows how white text looks on a background with the XYZ color 27.7753, 30.6648,

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

27.7753, 30.6648, 30.0462

Protanopia

29.1575, 30.6747, 29.1950

Deuteranopia

31.0958, 30.4799, 30.6298



Tritanopia

29.4606, 30.6244, 38.5408

Trichromacy



Original Color

27.7753, 30.6648, 30.0462

Protanomaly

28.6368, 30.6356, 29.6032

Deuteranomaly

29.8459, 30.5339, 30.3072

Tritanomaly

28.8371, 30.6108, 35.3989

Monochromacy



Original Color

27.7753, 30.6648, 30.0462

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.1273, 30.0911, 31.5198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7753, 30.6648, 30.0462 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(144, 153, 142)` looks like.

```
.text, #text, p{  
    color:rgb(144, 153, 142)  
}
```

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(144, 153, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 153, 142) }
```

Border

The CSS property to change the border of an element to XYZ 27.7753, 30.6648, 30.0462 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(144, 153, 142) }
```


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

```
.border{ border-color:rgb(144, 153, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 153, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 153, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 153, 142);  
box-shadow:4px 4px 4px 4px rgb(144, 153,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7753, 30.6648, 30.0462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 153, 142) }
```

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

```
.background{ background-color: rgb(144,  
153, 142) }
```

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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