

Converting Colors

XYZ(27.6973, 34.9313, 22.5191)

Have a look what the booklet for
XYZ(27.6973, 34.9313, 22.5191)
contains.

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Color

**XYZ(27.7745, 35.0023,
22.4318)**

Conversions

Conversions Part 1

Format	Color
Hex	89A976
RGB	137, 169, 118
RGB Percent	54%, 66%, 46%
CMY	0.4627, 0.3372, 0.5372
CMYK	0.19, 0.00, 0.30, 0.34
HSL	98°, 23%, 56%
HSV	98°, 30%, 66%
XYZ	27.7745, 35.0023, 22.4318
YIQ	153.6180, -2.7010, -22.6450

Conversions

Conversions Part 2

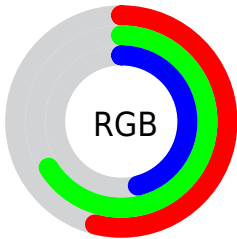
Format	Color
RYB	118, 169, 150
Decimal	9021814
CIELab	65.75, -20.58, 22.83
CIELCh	66, 30.731, 132.031
Yxy	35.0023, 0.3260, 0.4108
Android (android.graphics.Color)	4287211894 (0xFF89A976)
YUV	153.6180, -17.5597, -14.5740
Hunter-Lab	59.1627, -19.7363, 18.9339

Details

The XYZ color **27.7745, 35.0023, 22.4318** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.2190, 22.3065, 40.4617**, and the grayscale version is **30.6238, 32.2187, 35.0861**.

A 20% lighter version of the original color is **55.3972, 67.2900, 48.0987**, and **11.2732, 15.1307, 7.9566** is the 20% darker color. If you saturate the color by 10%, you get **25.2053, 33.7847, 17.5306**, and if you desaturate by 10%, it is **30.6964, 36.3830, 28.2903**.

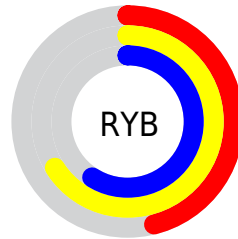
Distribution



Red (54%)

Green (66%)

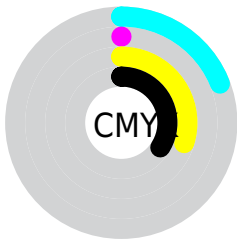
Blue (46%)



Red (46%)

Yellow (66%)

Blue (59%)

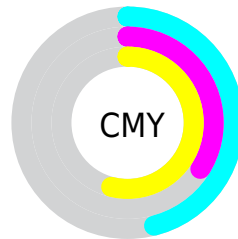


Cyan (19%)

Magenta (0%)

Yellow (30%)

Black (34%)



Cyan (46%)

Magenta (34%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7745, 35.0023, 22.4318 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 27.7745, 35.0023, 22.4318 by changing the saturation by 10% instead.

■ 27.7745, 35.0023,
22.4318

■ 27.7745, 35.0023,
22.4318

283.4875,
324.5785, 277.8197

■ 18.2953, 23.6646,
13.9732

■ 55.5354, 67.4893,
48.3699

■ 11.2632, 15.0850,
7.9635

■ 74.5478, 89.4075,
66.6866

■ 6.3127, 8.8791,
3.9841

■ 97.4687, 115.6213,
89.1262

■ 3.0786, 4.6624,
1.6167

124.6634,
146.5151, 116.1075

■ 1.1955, 2.0506,
0.3027

156.4973,
182.4733, 148.0490

■ 0.1028, 0.6366,
0.0000

193.3357,

■ 0.0000, 0.0000,

223.8804, 185.3692

0.0000

235.5440,
271.1206, 228.4865

■ 27.7745, 35.0023,
22.4318

■ 27.7745, 35.0023,
22.4318

■ 25.2053, 33.7847,
17.5306

■ 30.6964, 36.3830,
28.2903

■ 22.9715, 32.7193,
13.5336

■ 33.9819, 37.9283,
35.1509

■ 21.0584, 31.8008,
10.3859


■ 37.6448, 39.6454,
43.0582


■ 19.4490, 31.0216,
8.0258


■ 41.6971, 41.5395,
52.0538


■ 18.1243, 30.3737,
6.3833


■ 46.1505, 43.6159,
62.1766


 17.0626, 29.8476,
5.3759

 51.0160, 45.8794,
73.4638

 16.2357, 29.4327,
4.8254

 56.3044, 48.3347,
85.9509

 62.0259, 50.9865,
99.6719

 65.6617, 52.8276,
101.3437

Harmonies

Analogous

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



31.4871, 35.0023, 18.5600



27.7745, 35.0023, 22.4318



25.6567, 35.0023, 30.9266

Triad

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



27.7745, 35.0023, 22.4318



30.6549, 35.0023, 67.0821



42.5286, 35.0023, 33.1481

Complementary

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



27.7745, 35.0023, 22.4318



26.2190, 22.3065, 40.4617

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.



42.2543, 35.0023, 46.3312



27.7745, 35.0023, 22.4318



35.1161, 35.0023, 68.0613

Square

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



27.7745, 35.0023, 22.4318



27.2129, 35.0023, 57.3570



39.4434, 35.0023, 59.7889



40.1620, 35.0023, 23.7390

Rectangle

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



27.7745, 35.0023, 22.4318



25.3059, 35.0023, 39.0017



39.4434, 35.0023, 59.7889



42.7477, 35.0023, 37.2351

Sweetspot

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



27.7754, 35.0038, 22.4326



61.4926, 68.2226, 64.3035



30.4524, 31.3820, 21.5924



13.2122, 14.7801, 13.6102



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



27.7754, 35.0038, 22.4326



46.6954, 61.2430, 34.3072



25.2952, 33.6831, 24.2211



7.6909, 8.5388, 8.0321



12.1549, 21.9633, 3.5987



0.3524, 0.5636, 0.0902

Inverse Universe

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



26.2190, 22.3065, 40.4617



43.4634, 34.9226, 71.6751



29.4573, 24.0390, 37.7629



7.5670, 7.5249, 9.4720



9.8320, 4.4520, 28.3166



0.2929, 0.1360, 0.6915

Previews

White Background



This preview shows how the XYZ color 27.7745, 35.0023, 22.4318 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 27.7745, 35.0023, 22.4318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

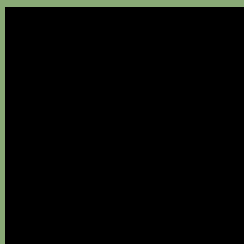
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.7745, 35.0023, 22.4318

Background



This preview shows how black text looks on a background with the XYZ color 27.7745, 35.0023, 22.4318.



This preview shows how white text looks on a background with the XYZ color 27.7745, 35.0023,

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

27.7745, 35.0023, 22.4318

Protanopia

32.4487, 34.7818, 20.9229

Deuteranopia

35.3359, 34.7277, 22.9299



Tritanopia

32.5123, 35.0468, 45.6086

Trichromacy



Original Color

27.7745, 35.0023, 22.4318

Protanomaly

30.4898, 34.8031, 21.3303

Deuteranomaly

32.1505, 34.5874, 22.7508

Tritanomaly

30.6156, 35.0830, 35.7299

Monochromacy



Original Color

27.7745, 35.0023, 22.4318

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.4186, 33.0153, 30.0214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7745, 35.0023, 22.4318 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(137, 169, 118)` looks like.

```
.text, #text, p{  
    color:rgb(137, 169, 118)  
}
```

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(137, 169, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 169, 118) }
```

Border

The CSS property to change the border of an element to XYZ 27.7745, 35.0023, 22.4318 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(137, 169, 118) }
```


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

```
.border{ border-color:rgb(137, 169, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 169, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 169, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 169, 118);  
box-shadow:4px 4px 4px 4px rgb(137, 169,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7745, 35.0023, 22.4318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 169, 118) }
```

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

```
.background{ background-color: rgb(137,  
169, 118) }
```

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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