

Converting Colors

XYZ(27.3320, 30.2189, 21.2222)

Have a look what the booklet for
XYZ(27.3320, 30.2189, 21.2222)
contains.

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Color

**XYZ(27.2264, 30.0930,
21.2032)**

Conversions

Conversions Part 1

Format	Color
Hex	989775
RGB	152, 151, 117
RGB Percent	60%, 59%, 46%
CMY	0.4039, 0.4078, 0.5412
CMYK	0.00, 0.01, 0.23, 0.40
HSL	58°, 15%, 53%
HSV	58°, 23%, 60%
XYZ	27.2264, 30.0930, 21.2032
YIQ	147.4230, 11.5100, -10.3620

Conversions

Conversions Part 2

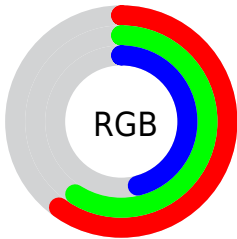
Format	Color
RYB	118, 152, 117
Decimal	10000245
CIELab	61.73, -5.46, 18.10
CIELCh	62, 18.906, 106.792
Yxy	30.0930, 0.3467, 0.3832
Android (android.graphics.Color)	4288190325 (0xFF989775)
YUV	147.4230, -14.9985, 4.0140
Hunter-Lab	54.8571, -7.4077, 15.4834

Details

The XYZ color **27.2264, 30.0930, 21.2032** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.4820, 19.0053, 32.3475**, and the grayscale version is **27.9659, 29.4223, 32.0409**.

A 20% lighter version of the original color is **54.7249, 59.7926, 46.1929**, and **10.9982, 12.3107, 7.4268** is the 20% darker color. If you saturate the color by 10%, you get **26.3351, 29.6263, 16.8492**, and if you desaturate by 10%, it is **28.2646, 30.6209, 26.3229**.

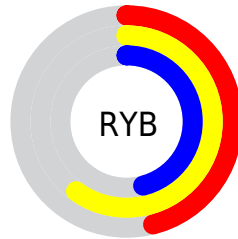
Distribution



Red (60%)

Green (59%)

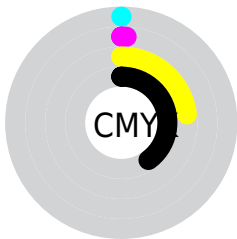
Blue (46%)



Red (46%)

Yellow (60%)

Blue (46%)

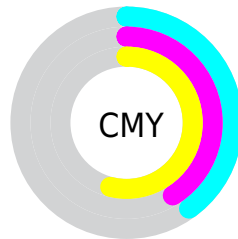


Cyan (0%)

Magenta (1%)

Yellow (23%)

Black (40%)



Cyan (40%)

Magenta (41%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2264, 30.0930, 21.2032 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 27.2264, 30.0930, 21.2032 by changing the saturation by 10% instead.

■ 27.2264, 30.0930,
21.2032

■ 27.2264, 30.0930,
21.2032

280.8992,
302.3377, 271.1729

■ 17.8808, 19.9092,
13.0799

■ 54.6643, 59.8092,
46.3106

■ 10.9636, 12.3290,
7.3522

■ 73.4873, 80.1104,
64.1319

■ 6.1095, 6.9682,
3.6016

■ 96.2001, 104.5529,
86.0229

■ 2.9531, 3.4422,
1.4094

123.1681,
133.5210, 112.4022

■ 1.1290, 1.3667,
0.1490

154.7567,
167.3991, 143.6882

■ 0.0492, 0.1920,
0.0000

191.3312,

■ 0.0000, 0.0000,

206.5717, 180.2997

0.0000

233.2569,
251.4231, 222.6551

■ 27.2264, 30.0930,
21.2032

■ 27.2264, 30.0930,
21.2032

■ 26.3351, 29.6263,
16.8492

■ 28.2646, 30.6209,
26.3229

■ 25.5815, 29.2141,
13.2223

■ 29.4540, 31.2087,
32.2407

■ 24.9587, 28.8545,
10.2830

■ 30.8015, 31.8602,
38.9897

■ 24.4585, 28.5444,
7.9878

■ 32.3128, 32.5775,
46.6001

■ 24.0715, 28.2801,
6.2878

■ 33.9934, 33.3630,
55.1011

■ 23.7872, 28.0572,
5.1275

■ 35.8486, 34.2188,
64.5201

■ 23.5931, 27.8708,
4.4407

■ 37.8835, 35.1468,
74.8836

■ 23.4877, 27.7530,
4.1189

■ 40.1027, 36.1490,
86.2170

■ 42.5110, 37.2272,
98.5445

Harmonies

Analogous

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



29.7231, 30.0930, 21.0357



27.2264, 30.0930, 21.2032



25.2166, 30.0930, 24.1600

Triad

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



27.2264, 30.0930, 21.2032



25.4140, 30.0930, 43.9477



33.5798, 30.0930, 36.0376

Complementary

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



27.2264, 30.0930, 21.2032



19.4820, 19.0053, 32.3475

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.



32.2786, 30.0930, 43.2061



27.2264, 30.0930, 21.2032



27.5104, 30.0930, 48.2044

Square

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



27.2264, 30.0930, 21.2032



24.2131, 30.0930, 36.9376



30.0242, 30.0930, 47.9147



33.4927, 30.0930, 28.9212

Rectangle

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



27.2264, 30.0930, 21.2032



24.3794, 30.0930, 27.6000



30.0242, 30.0930, 47.9147



33.2872, 30.0930, 38.5398

Sweetspot

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



27.2272, 30.0943, 21.2038



51.0930, 54.6465, 52.4397



22.5904, 20.7104, 19.9988



11.5877, 12.4080, 11.7939



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.



27.2272, 30.0943, 21.2038



47.1585, 52.6509, 33.0218



24.5387, 28.9474, 21.1242



6.6938, 7.1927, 6.6414



19.6979, 23.2783, 3.4550



0.2985, 0.3561, 0.0530

Inverse Universe

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



19.4820, 19.0053, 32.3475



30.8646, 29.3228, 56.4668



21.7547, 20.0037, 32.4204



5.8979, 6.0531, 7.7865



4.7954, 1.9875, 25.0386



0.0750, 0.0363, 0.3754

Previews

White Background



This preview shows how the XYZ color 27.2264, 30.0930, 21.2032 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 27.2264, 30.0930, 21.2032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

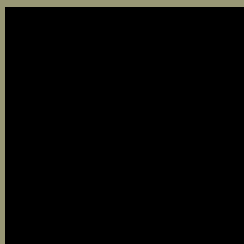
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

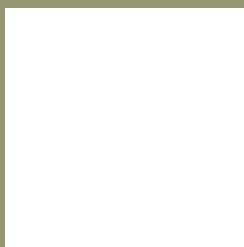
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2264, 30.0930, 21.2032

Background



This preview shows how black text looks on a background with the XYZ color 27.2264, 30.0930, 21.2032.



This preview shows how white text looks on a background with the XYZ color 27.2264, 30.0930,

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

27.2264, 30.0930, 21.2032

Protanopia

28.1979, 30.1268, 20.8519

Deuteranopia

30.6078, 29.9755, 21.6254



Tritanopia

30.2693, 30.1602, 36.1244

Trichromacy



Original Color

27.2264, 30.0930, 21.2032

Protanomaly

27.7690, 30.1416, 20.8773

Deuteranomaly

29.2748, 29.9728, 21.3819

Tritanomaly

28.9900, 30.1014, 29.8734

Monochromacy



Original Color

27.2264, 30.0930, 21.2032

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.4283, 29.3469, 27.5115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2264, 30.0930, 21.2032 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(152, 151, 117)` looks like.

```
.text, #text, p{  
    color:rgb(152, 151, 117)  
}
```

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(152, 151, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 151, 117) }
```

Border

The CSS property to change the border of an element to XYZ 27.2264, 30.0930, 21.2032 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(152, 151, 117) }
```


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

```
.border{ border-color:rgb(152, 151, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 151, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 151, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 151, 117);  
box-shadow:4px 4px 4px 4px rgb(152, 151,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2264, 30.0930, 21.2032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 151, 117) }
```

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

```
.background{ background-color: rgb(152,  
151, 117) }
```

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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