

Converting Colors

XYZ(30.2145, 30.7052, 21.0153)

Have a look what the booklet for
XYZ(30.2145, 30.7052, 21.0153)
contains.

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Color

**XYZ(30.2222, 30.6978,
21.1620)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9375
RGB	170, 147, 117
RGB Percent	67%, 58%, 46%
CMY	0.3333, 0.4235, 0.5412
CMYK	0.00, 0.14, 0.31, 0.33
HSL	34°, 24%, 56%
HSV	34°, 31%, 67%
XYZ	30.2222, 30.6978, 21.1620
YIQ	150.4570, 23.3380, -4.4540

Conversions

Conversions Part 2

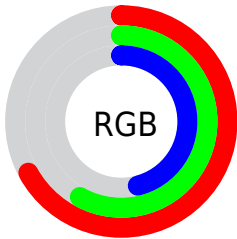
Format	Color
RYB	158, 170, 117
Decimal	11178869
CIELab	62.25, 3.98, 19.07
CIElCh	62, 19.478, 78.212
Yxy	30.6978, 0.3682, 0.3740
Android (android.graphics.Color)	4289368949 (0xFFAA9375)
YUV	150.4570, -16.4943, 17.1392
Hunter-Lab	55.4056, 0.4070, 16.1383

Details

The XYZ color **30.2222, 30.6978, 21.1620** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.9698, 25.4398, 41.6775**, and the grayscale version is **29.2454, 30.7684, 33.5068**.

A 20% lighter version of the original color is **59.4121, 60.8066, 46.1416**, and **12.6850, 12.7610, 7.4248** is the 20% darker color. If you saturate the color by 10%, you get **28.2018, 28.1138, 15.9970**, and if you desaturate by 10%, it is **32.4993, 33.5044, 27.3088**.

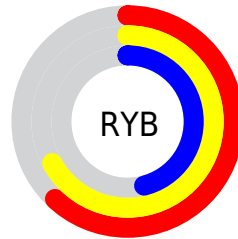
Distribution



Red (67%)

Green (58%)

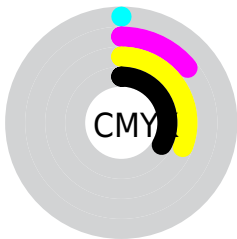
Blue (46%)



Red (62%)

Yellow (67%)

Blue (46%)

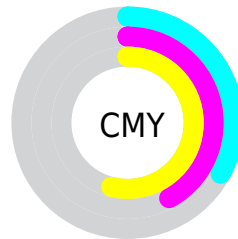


Cyan (0%)

Magenta (14%)

Yellow (31%)

Black (33%)



Cyan (33%)

Magenta (42%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2222, 30.6978, 21.1620 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 30.2222, 30.6978, 21.1620 by changing the saturation by 10% instead.

■ 30.2222, 30.6978,
21.1620

■ 30.2222, 30.6978,
21.1620

294.8301,
305.1437, 270.9475

■ 20.1562, 20.3688,
13.0501

■ 59.3976, 60.7640,
46.2413

■ 12.6176, 12.6634,
7.3319

■ 79.2378, 81.2700,
64.0457

■ 7.2409, 7.1972,
3.5889

■ 103.0667,
105.9371, 85.9181

■ 3.6609, 3.5857,
1.4027

131.2497,
135.1498, 112.2769

■ 1.5121, 1.4446,
0.1438

164.1522,
169.2924, 143.5407

■ 0.3341, 0.2493,
0.0000

202.1395,

■ 0.0000, 0.0000,

208.7493, 180.1280

0.0000

245.5770,
253.9049, 222.4574

■ 30.2222, 30.6978,
21.1620

■ 30.2222, 30.6978,
21.1620

■ 28.2018, 28.1138,
15.9970

■ 32.4993, 33.5044,
27.3088

■ 26.4245, 25.7415,
11.7597

■ 35.0412, 36.5356,
34.4839

■ 24.8789, 23.5751,
8.3936

■ 37.8584, 39.7988,
42.7331

■ 23.5516, 21.6070,
5.8351

■ 40.9602, 43.2998,
52.0986

■ 22.4276, 19.8287,
4.0118

■ 44.3553, 47.0440,
62.6207

■ 21.4889, 18.2307,
2.8383

■ 48.0521, 51.0367,
74.3374

■ 20.7822, 16.9552,
2.1773

■ 52.0585, 55.2829,
87.2850

■ 56.3824, 59.7877,
101.4984

■ 58.5204, 63.5515,
103.7901

Harmonies

Analogous

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



32.6770, 30.6978, 23.7511



30.2222, 30.6978, 21.1620



27.6259, 30.6978, 21.4731

Triad

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



30.2222, 30.6978, 21.1620



24.6344, 30.6978, 38.1562



33.1108, 30.6978, 44.0292

Complementary

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



30.2222, 30.6978, 21.1620



23.9698, 25.4398, 41.6775

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.



30.7858, 30.6978, 49.1478



30.2222, 30.6978, 21.1620



25.9369, 30.6978, 45.4220

Square

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



30.2222, 30.6978, 21.1620



24.5037, 30.6978, 30.5537



28.1568, 30.6978, 49.6928



34.4104, 30.6978, 36.4701

Rectangle

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



30.2222, 30.6978, 21.1620



26.1610, 30.6978, 23.2917



28.1568, 30.6978, 49.6928



32.4171, 30.6978, 46.1382

Sweetspot

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



30.2230, 30.6992, 21.1626



64.5664, 67.4471, 65.4204



27.7357, 23.1876, 28.1550



14.2425, 14.8583, 14.1379



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



30.2230, 30.6992, 21.1626



52.4028, 52.6088, 32.1130



33.5963, 38.2877, 22.4496



7.8702, 8.2205, 7.9612



15.3438, 12.5848, 1.6204



0.4228, 0.4051, 0.0559

Inverse Universe

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



23.9698, 25.4398, 41.6775



39.3449, 41.6298, 74.9635



21.3146, 19.5934, 40.6889



7.3895, 7.8160, 9.5375



7.1806, 5.8214, 28.7207



0.2259, 0.2441, 0.7159

Previews

White Background



This preview shows how the XYZ color 30.2222, 30.6978, 21.1620 looks on a white background.

Color Contrast Check

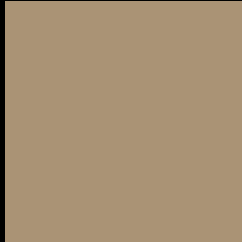
Large Text (above 18pt) WCAG AA × Fail

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 30.2222, 30.6978, 21.1620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

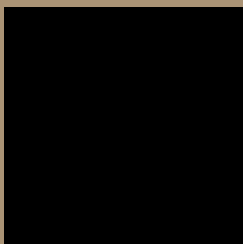
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.2222, 30.6978, 21.1620

Background



This preview shows how black text looks on a background with the XYZ color 30.2222, 30.6978, 21.1620.



This preview shows how white text looks on a background with the XYZ color 30.2222, 30.6978,

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

30.2222, 30.6978, 21.1620

Protanopia

28.7333, 30.6182, 21.8483

Deuteranopia

31.2408, 30.7653, 21.1213



Tritanopia

32.8783, 30.6446, 34.3191

Trichromacy



Original Color

30.2222, 30.6978, 21.1620

Protanomaly

29.3273, 30.6954, 21.5186

Deuteranomaly

30.9453, 30.8408, 21.1515

Tritanomaly

31.9405, 30.7242, 29.0579

Monochromacy



Original Color

30.2222, 30.6978, 21.1620

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.2395, 30.4980, 28.3904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2222, 30.6978, 21.1620 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(170, 147, 117)` looks like.

```
.text, #text, p{  
    color:rgb(170, 147, 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(170, 147, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 147, 117) }
```

Border

The CSS property to change the border of an element to XYZ 30.2222, 30.6978, 21.1620 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(170, 147, 117) }
```


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

```
.border{ border-color:rgb(170, 147, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 147, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 147, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 147, 117);  
box-shadow:4px 4px 4px 4px rgb(170, 147,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2222, 30.6978, 21.1620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 147, 117) }
```

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

```
.background{ background-color: rgb(170,  
147, 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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