

Converting Colors

XYZ(33.1872, 33.1003, 22.3617)

Have a look what the booklet for
XYZ(33.1872, 33.1003, 22.3617)
contains.

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Color

**XYZ(33.2792, 33.1926,
22.4221)**

Conversions

Conversions Part 1

Format	Color
Hex	B49778
RGB	180, 151, 120
RGB Percent	71%, 59%, 47%
CMY	0.2941, 0.4078, 0.5294
CMYK	0.00, 0.16, 0.33, 0.29
HSL	31°, 29%, 59%
HSV	31°, 33%, 71%
XYZ	33.2792, 33.1926, 22.4221
YIQ	156.1370, 27.2350, -3.4930

Conversions

Conversions Part 2

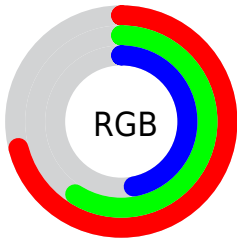
Format	Color
RYB	176, 180, 120
Decimal	11835256
CIELab	64.32, 6.22, 20.37
CIElCh	64, 21.299, 73.027
Yxy	33.1926, 0.3744, 0.3734
Android (android.graphics.Color)	4290025336 (0xFFB49778)
YUV	156.1370, -17.8155, 20.9279
Hunter-Lab	57.6130, 2.2848, 17.2544

Details

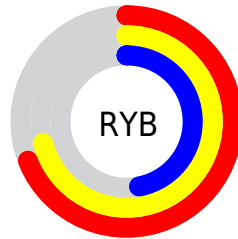
The XYZ color **33.2792, 33.1926, 22.4221** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.7311, 28.7824, 47.3268**, and the grayscale version is **31.7303, 33.3828, 36.3539**.

A 20% lighter version of the original color is **64.2028, 64.6457, 48.1237**, and **14.2987, 14.0049, 7.9108** is the 20% darker color. If you saturate the color by 10%, you get **30.9394, 30.0998, 16.7499**, and if you desaturate by 10%, it is **35.9295, 36.5773, 29.2117**.

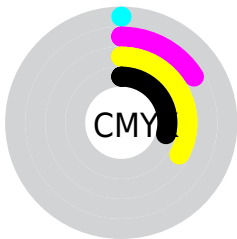
Distribution



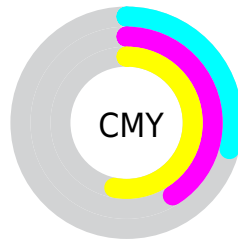
- Red (71%)
- Green (59%)
- Blue (47%)



- Red (69%)
- Yellow (71%)
- Blue (47%)



- Cyan (0%)
- Magenta (16%)
- Yellow (33%)
- Black (29%)



- Cyan (29%)
- Magenta (41%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2792, 33.1926, 22.4221 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 33.2792, 33.1926, 22.4221 by changing the saturation by 10% instead.

■ 33.2792, 33.1926,
22.4221

■ 33.2792, 33.1926,
22.4221

308.5487,
316.5167, 277.7678

■ 22.5007, 22.2740,
13.9661

■ 64.1629, 64.6761,
48.3538

■ 14.3439, 14.0584,
7.9586

■ 84.9989, 86.0098,
66.6665

■ 8.4435, 8.1613,
3.9811

■ 109.9180,
111.5841, 89.1019

■ 4.4342, 4.1983,
1.6150

139.2857,
141.7832, 116.0785

■ 1.9506, 1.7851,
0.3015

173.4672,
176.9917, 148.0149

■ 0.6060, 0.4779,
0.0000

212.8280,

■ 0.0000, 0.0000,

217.5938, 185.3295

0.0000

257.7334,
263.9740, 228.4410

■ 33.2792, 33.1926,
22.4221

■ 33.2792, 33.1926,
22.4221

■ 30.9394, 30.0998,
16.7499

■ 35.9295, 36.5773,
29.2117

■ 28.8936, 27.2852,
12.1315

■ 38.9003, 40.2577,
37.1733

■ 27.1278, 24.7407,
8.5001

■ 42.2047, 44.2437,
46.3606

■ 25.6255, 22.4558,
5.7802

■ 45.8538, 48.5428,
56.8229

■ 24.3679, 20.4192,
3.8853

■ 49.8585, 53.1626,
68.6073

■ 23.3328, 18.6179,
2.7117

■ 54.2289, 58.1102,
81.7581

■ 22.7378, 17.5341,
2.1860

■ 58.9749, 63.3925,
96.3177

■ 62.6222, 68.4229,
104.5141

■ 64.9733, 73.1250,
105.2978

Harmonies

Analogous

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



35.9998, 33.1926, 25.9143



33.2792, 33.1926, 22.4221



30.2541, 33.1926, 22.2066

Triad

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



33.2792, 33.1926, 22.4221



26.2086, 33.1926, 40.0320



35.6910, 33.1926, 49.7547

Complementary

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



33.2792, 33.1926, 22.4221



26.7311, 28.7824, 47.3268

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.



32.8794, 33.1926, 54.9452



33.2792, 33.1926, 22.4221



27.4803, 33.1926, 48.7564

Square

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



33.2792, 33.1926, 22.4221



26.3004, 33.1926, 31.4880



29.8790, 33.1926, 54.5531



37.4522, 33.1926, 41.2314

Rectangle

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



33.2792, 33.1926, 22.4221



28.4801, 33.1926, 23.8845



29.8790, 33.1926, 54.5531



34.8299, 33.1926, 52.0039

Sweetspot

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



33.2801, 33.1941, 22.4228



72.3623, 75.2201, 72.4251



30.9640, 25.3065, 31.6868



15.4657, 16.0460, 15.1731



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.2801, 33.1941, 22.4228



57.1703, 56.0130, 32.9042



38.3020, 43.5825, 24.1632



8.8474, 9.2073, 8.9634



15.9372, 12.3729, 1.5482



0.5595, 0.5055, 0.0681

Inverse Universe

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



26.7311, 28.7824, 47.3268



43.4635, 46.7809, 85.0335



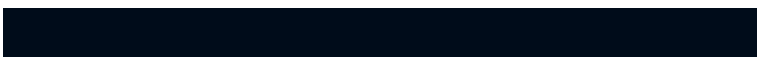
22.8402, 20.7936, 45.9899



8.3696, 8.8853, 10.7802



8.1946, 7.1895, 31.0928



0.3163, 0.3432, 0.9978

Previews

White Background



This preview shows how the XYZ color 33.2792, 33.1926, 22.4221 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 33.2792, 33.1926, 22.4221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

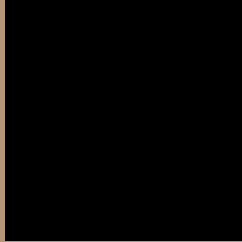
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2792, 33.1926, 22.4221

Background



This preview shows how black text looks on a background with the XYZ color 33.2792, 33.1926, 22.4221.



This preview shows how white text looks on a background with the XYZ color 33.2792, 33.1926,

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

33.2792, 33.1926, 22.4221

Protanopia

31.1272, 33.2891, 23.1972

Deuteranopia

33.8250, 33.2360, 22.4017



Tritanopia

36.1319, 33.1824, 36.3988

Trichromacy



Original Color

33.2792, 33.1926, 22.4221

Protanomaly

31.8014, 33.1496, 22.8116

Deuteranomaly

33.5879, 33.1138, 22.3906

Tritanomaly

35.1524, 33.2607, 30.9528

Monochromacy



Original Color

33.2792, 33.1926, 22.4221

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.0306, 33.0937, 30.6861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2792, 33.1926, 22.4221 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(180, 151, 120)` looks like.

```
.text, #text, p{  
    color:rgb(180, 151, 120)  
}
```

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(180, 151, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 151, 120) }
```

Border

The CSS property to change the border of an element to XYZ 33.2792, 33.1926, 22.4221 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(180, 151, 120) }
```


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

```
.border{ border-color:rgb(180, 151, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 151, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 151, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 151, 120);  
box-shadow:4px 4px 4px 4px rgb(180, 151,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2792, 33.1926, 22.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 151, 120) }
```

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

```
.background{ background-color: rgb(180,  
151, 120) }
```

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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