

Converting Colors

XYZ(32.9677, 32.4725, 20.9000)

Have a look what the booklet for
XYZ(32.9677, 32.4725, 20.9000)
contains.

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Color

**XYZ(33.1334, 32.6778,
20.7808)**

Conversions

Conversions Part 1

Format	Color
Hex	B69573
RGB	182, 149, 115
RGB Percent	71%, 58%, 45%
CMY	0.2863, 0.4157, 0.5490
CMYK	0.00, 0.18, 0.37, 0.29
HSL	30°, 31%, 58%
HSV	30°, 37%, 71%
XYZ	33.1334, 32.6778, 20.7808
YIQ	154.9910, 30.5820, -3.5780

Conversions

Conversions Part 2

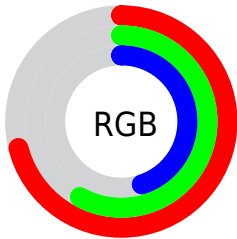
Format	Color
R_{YB}	180, 182, 115
Decimal	11965811
CIE _{Lab}	63.90, 7.50, 22.61
CIE _{LCh}	64, 23.819, 71.643
Yxy	32.6778, 0.3826, 0.3774
Android (android.graphics.Color)	4290155891 (0xFFB69573)
YUV	154.9910, -19.7156, 23.6869
Hunter-Lab	57.1645, 3.4234, 18.4617

Details

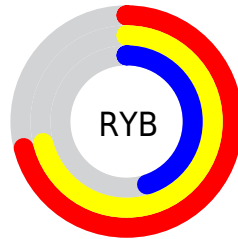
The XYZ color **33.1334, 32.6778, 20.7808** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.1033, 28.2012, 48.3236**, and the grayscale version is **31.2275, 32.8537, 35.7777**.

A 20% lighter version of the original color is **63.9276, 63.8526, 45.5147**, and **14.2829, 13.7298, 7.2075** is the 20% darker color. If you saturate the color by 10%, you get **30.8240, 29.5728, 15.3443**, and if you desaturate by 10%, it is **35.7604, 36.0869, 27.3440**.

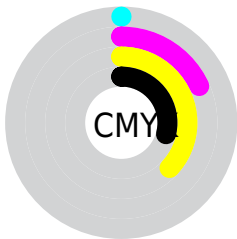
Distribution



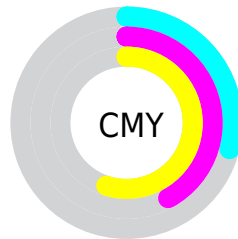
- Red (71%)
- Green (58%)
- Blue (45%)



- Red (71%)
- Yellow (71%)
- Blue (45%)



- Cyan (0%)
- Magenta (18%)
- Yellow (37%)
- Black (29%)





- Cyan (29%)
- Magenta (42%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1334, 32.6778, 20.7808 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 33.1334, 32.6778, 20.7808 by changing the saturation by 10% instead.


 33.1334, 32.6778,
20.7808


 33.1334, 32.6778,
20.7808


307.9048,
314.1954, 268.8539

 22.3884, 21.8797,
12.7742


 63.9370, 63.8722,
45.5985

 14.2608, 13.7686,
7.1443

 84.7263, 85.0373,
63.2466

 8.3852, 7.9599,
3.4727


 109.5945,
110.4268, 84.9457

 4.3962, 4.0693,
1.3408

 138.9068,
140.4252, 111.1143

 1.9287, 1.7124,
0.0949

173.0286,
175.4169, 142.1708

 0.5934, 0.4317,
0.0000

212.3253,

 0.0000, 0.0000,

215.7862, 178.5339

0.0000

257.1623,
261.9176, 220.6221

■ 33.1334, 32.6778,
20.7808

■ 33.1334, 32.6778,
20.7808

■ 30.8240, 29.5728,
15.3443

■ 35.7604, 36.0869,
27.3440

■ 28.8151, 26.7575,
10.9673

■ 38.7161, 39.8047,
35.0919

■ 27.0914, 24.2230,
7.5784

■ 42.0141, 43.8415,
44.0807

■ 25.6351, 21.9580,
5.0966

■ 45.6663, 48.2056,
54.3626

■ 24.4257, 19.9498,
3.4275

■ 49.6840, 52.9050,
65.9865

■ 23.4358, 18.1830,
2.4411

■ 54.0782, 57.9475,
78.9992

■ 23.1506, 17.6635,
2.1892

■ 58.8590, 63.3404,
93.4447

■ 63.1213, 68.7248,
104.5461

■ 65.5473, 73.5768,
105.3548

Harmonies

Analogous

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



36.1284, 32.6778, 24.6716



33.1334, 32.6778, 20.7808



29.7768, 32.6778, 20.3924

Triad

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



33.1334, 32.6778, 20.7808



25.1653, 32.6778, 39.4368



35.5413, 32.6778, 51.2320

Complementary

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



33.1334, 32.6778, 20.7808



26.1033, 28.2012, 48.3236

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.



32.3781, 32.6778, 56.8914



33.1334, 32.6778, 20.7808



26.4880, 32.6778, 49.3077

Square

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



33.1334, 32.6778, 20.7808



25.3355, 32.6778, 30.0787



29.0736, 32.6778, 56.1298



37.5861, 32.6778, 41.7155

Rectangle

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



33.1334, 32.6778, 20.7808



27.7995, 32.6778, 22.0674



29.0736, 32.6778, 56.1298



34.5643, 32.6778, 53.7196

Sweetspot

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



33.1342, 32.6793, 20.7815



73.4781, 76.2110, 72.5072



30.8074, 24.3609, 31.3037



16.0511, 16.6147, 15.5296



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.1342, 32.6793, 20.7815



56.7040, 54.7359, 29.6958



39.1140, 44.6389, 22.7747



9.3712, 9.7454, 9.4940



16.4154, 12.6071, 1.5682



0.6405, 0.5680, 0.0759

Inverse Universe

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



26.1033, 28.2012, 48.3236



42.1304, 45.4547, 86.7888



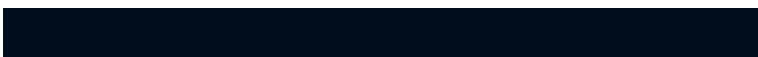
21.6448, 19.2841, 46.8375



8.8765, 9.4302, 11.4318



8.5890, 7.6377, 32.2746



0.3647, 0.3932, 1.1584

Previews

White Background



This preview shows how the XYZ color 33.1334, 32.6778, 20.7808 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 33.1334, 32.6778, 20.7808 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

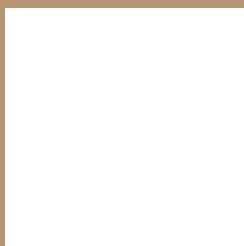
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1334, 32.6778, 20.7808

Background



This preview shows how black text looks on a background with the XYZ color 33.1334, 32.6778, 20.7808.



This preview shows how white text looks on a background with the XYZ color 33.1334, 32.6778,

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

33.1334, 32.6778, 20.7808

Protanopia

30.7172, 32.8577, 21.8627

Deuteranopia

33.3704, 32.8000, 20.7919



Tritanopia

36.1394, 32.7522, 35.4274

Trichromacy



Original Color

33.1334, 32.6778, 20.7808

Protanomaly

31.6154, 32.8375, 21.5016

Deuteranomaly

33.3704, 32.8000, 20.7919

Tritanomaly

35.0201, 32.7655, 29.2896

Monochromacy



Original Color

33.1334, 32.6778, 20.7808

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.6419, 32.6752, 29.4502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1334, 32.6778, 20.7808 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(182, 149, 115)` looks like.

```
.text, #text, p{  
    color:rgb(182, 149, 115)  
}
```

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(182, 149, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 149, 115) }
```

Border

The CSS property to change the border of an element to XYZ 33.1334, 32.6778, 20.7808 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(182, 149, 115) }
```


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

```
.border{ border-color:rgb(182, 149, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 149, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 149, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 149, 115);  
box-shadow:4px 4px 4px 4px rgb(182, 149,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1334, 32.6778, 20.7808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 149, 115) }
```

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

```
.background{ background-color: rgb(182,  
149, 115) }
```

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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