

Converting Colors

XYZ(36.3979, 33.0681, 20.1975)

Have a look what the booklet for
XYZ(36.3979, 33.0681, 20.1975)
contains.

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Color

**XYZ(36.3563, 32.9793,
20.0722)**

Conversions

Conversions Part 1

Format	Color
Hex	C78F71
RGB	199, 143, 113
RGB Percent	78%, 56%, 44%
CMY	0.2196, 0.4392, 0.5569
CMYK	0.00, 0.28, 0.43, 0.22
HSL	21°, 43%, 61%
HSV	21°, 43%, 78%
XYZ	36.3563, 32.9793, 20.0722
YIQ	156.3240, 43.0060, 2.5420

Conversions

Conversions Part 2

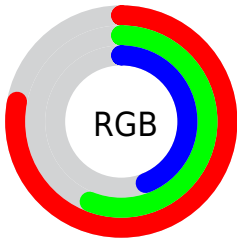
Format	Color
R_{YB}	199, 159, 113
Decimal	13078385
CIE Lab	64.14, 17.50, 24.35
CIE LCh	64, 29.991, 54.293
Yxy	32.9793, 0.4066, 0.3689
Android (android.graphics.Color)	4291268465 (0xFFC78F71)
YUV	156.3240, -21.3587, 37.4269
Hunter-Lab	57.4276, 12.5066, 19.4762

Details

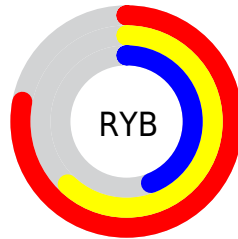
The XYZ color **36.3563, 32.9793, 20.0722** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.3062, 36.0087, 59.3332**, and the grayscale version is **31.8244, 33.4818, 36.4617**.

A 20% lighter version of the original color is **67.9978, 63.9091, 44.3491**, and **16.1090, 13.8756, 6.8302** is the 20% darker color. If you saturate the color by 10%, you get **33.5225, 28.9123, 14.1932**, and if you desaturate by 10%, it is **39.6621, 37.5971, 27.3211**.

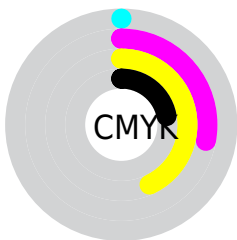
Distribution



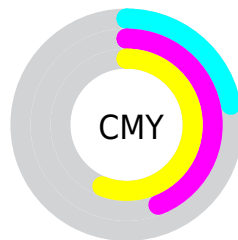
- Red (78%)
- Green (56%)
- Blue (44%)



- Red (78%)
- Yellow (62%)
- Blue (44%)



- Cyan (0%)
- Magenta (28%)
- Yellow (43%)
- Black (22%)




- Cyan (22%)
- Magenta (44%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3563, 32.9793, 20.0722 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 36.3563, 32.9793, 20.0722 by changing the saturation by 10% instead.


 36.3563, 32.9793,
20.0722


 36.3563, 32.9793,
20.0722


321.9193,
315.5564, 264.9229


 24.8809, 22.1106,
12.2629


 68.9019, 64.3432,
44.3988


 16.1166, 13.9382,
6.7983


 90.7029, 85.6072,
61.7531

 9.6981, 8.0777,
3.2598


 116.6763,
111.1051, 83.1263

 5.2600, 4.1447,
1.2287

 147.1877,
141.2212, 108.9368

 2.4369, 1.7548,
0.0023

182.6023,
176.3400, 139.6032

 0.8635, 0.4588,
0.0000

223.2856,

 0.0000, 0.0000,

216.8459, 175.5439

0.0000

269.6028,
263.1233, 217.1777

■ 36.3563, 32.9793,
20.0722

■ 36.3563, 32.9793,
20.0722

■ 33.5225, 28.9123,
14.1932

■ 39.6621, 37.5971,
27.3211

■ 31.1344, 25.3696,
9.5942

■ 43.4595, 42.7814,
36.0180

■ 29.1665, 22.3296,
6.1774


■ 47.7698, 48.5530,
46.2376


■ 27.5896, 19.7666,
3.8297


■ 52.6122, 54.9303,
58.0488


■ 26.3691, 17.6525,
2.4154


■ 58.0051, 61.9307,
71.5159

 25.7078, 16.4513,
1.8205

 63.9656, 69.5709,
86.7002

 70.5105, 77.8672,
103.6594

 74.7607, 85.6771,
107.2048

 77.3632, 90.8821,
108.0723

Harmonies

Analogous

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



39.3915, 32.9793, 27.1228



36.3563, 32.9793, 20.0722



32.1647, 32.9793, 17.3060

Triad

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



36.3563, 32.9793, 20.0722



23.9037, 32.9793, 33.6337



34.8261, 32.9793, 61.7142

Complementary

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



36.3563, 32.9793, 20.0722



31.3062, 36.0087, 59.3332

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.



30.5410, 32.9793, 64.5612



36.3563, 32.9793, 20.0722



24.4778, 32.9793, 46.4128

Square

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



36.3563, 32.9793, 20.0722



25.1727, 32.9793, 23.9181



26.8183, 32.9793, 58.4380



38.4537, 32.9793, 51.3570

Rectangle

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



36.3563, 32.9793, 20.0722



29.3731, 32.9793, 17.6824



26.8183, 32.9793, 58.4380



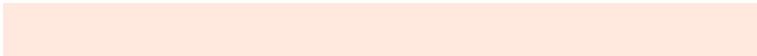
33.4050, 32.9793, 63.6665

Sweetspot

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



36.3571, 32.9809, 20.0728



83.6615, 85.0394, 81.0067



36.7457, 26.8675, 41.4452



17.5280, 17.6979, 16.4297



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.3571, 32.9809, 20.0728



58.9030, 50.9257, 25.2677



43.8132, 47.8931, 22.5582



10.9315, 11.2321, 11.1546



16.6054, 10.7279, 1.1955



0.8542, 0.6438, 0.0792

Inverse Universe

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



31.3062, 36.0087, 59.3332



48.8688, 56.8589, 103.0069



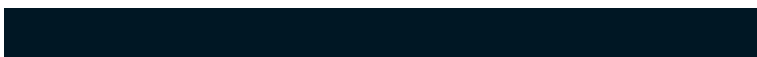
24.7516, 22.8995, 57.1483



10.6232, 11.4205, 13.5620



11.8098, 13.0135, 36.6338



0.6252, 0.7481, 1.7566

Previews

White Background



This preview shows how the XYZ color 36.3563, 32.9793, 20.0722 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 36.3563, 32.9793, 20.0722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

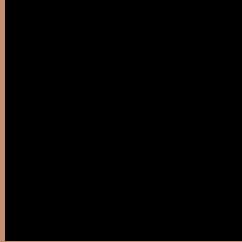
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3563, 32.9793, 20.0722

Background



This preview shows how black text looks on a background with the XYZ color 36.3563, 32.9793, 20.0722.



This preview shows how white text looks on a background with the XYZ color 36.3563, 32.9793,

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

36.3563, 32.9793, 20.0722

Protanopia

31.1546, 33.3243, 22.2430

Deuteranopia

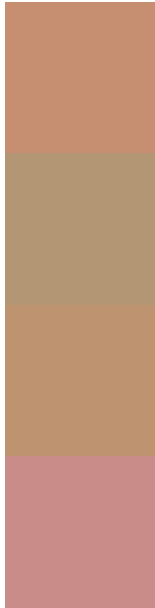
33.6797, 32.9790, 19.9197



Tritanopia

38.8704, 32.9034, 32.7361

Trichromacy



Original Color

36.3563, 32.9793, 20.0722

Protanomaly

32.8679, 33.0013, 21.4672

Deuteranomaly

34.5936, 32.9844, 19.8726

Tritanomaly

37.9094, 32.9512, 27.6547

Monochromacy



Original Color

36.3563, 32.9793, 20.0722

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.8135, 32.7973, 29.4120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3563, 32.9793, 20.0722 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(199, 143, 113)` looks like.

```
.text, #text, p{  
    color:rgb(199, 143, 113)  
}
```

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(199, 143, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 143, 113) }
```

Border

The CSS property to change the border of an element to XYZ 36.3563, 32.9793, 20.0722 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(199, 143, 113) }
```


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

```
.border{ border-color:rgb(199, 143, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 143, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 143, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 143, 113);  
box-shadow:4px 4px 4px 4px rgb(199, 143,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3563, 32.9793, 20.0722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 143, 113) }
```

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

```
.background{ background-color: rgb(199,  
143, 113) }
```

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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