

Converting Colors

XYZ(28.7385, 33.6638, 20.0220)

Have a look what the booklet for
XYZ(28.7385, 33.6638, 20.0220)
contains.

XYZ(28.7385, 33.6638, 20.0220)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.7385, 33.6638,
20.0220)**

Conversions

Conversions Part 1

Format	Color
Hex	98A26F
RGB	152, 162, 111
RGB Percent	60%, 64%, 44%
CMY	0.4039, 0.3647, 0.5647
CMYK	0.06, 0.00, 0.31, 0.36
HSL	72°, 22%, 54%
HSV	72°, 31%, 64%
XYZ	28.7385, 33.6638, 20.0220
YIQ	153.1960, 10.4110, -17.9810

Conversions

Conversions Part 2

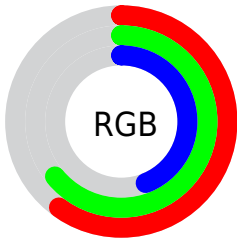
Format	Color
RYB	111, 162, 121
Decimal	10003055
CIELab	64.69, -12.23, 25.40
CIELCh	65, 28.189, 115.713
Yxy	33.6638, 0.3487, 0.4084
Android (android.graphics.Color)	4288193135 (0xFF98A26F)
YUV	153.1960, -20.8026, -1.0489
Hunter-Lab	58.0205, -13.1220, 20.1543

Details

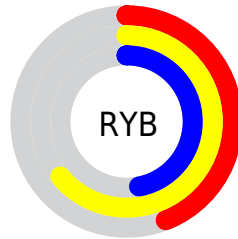
The XYZ color **28.7385, 33.6638, 20.0220** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.0925, 18.0434, 36.6081**, and the grayscale version is **30.4490, 32.0347, 34.8858**.

A 20% lighter version of the original color is **57.1558, 65.5355, 44.2875**, and **11.7287, 14.2201, 6.8292** is the 20% darker color. If you saturate the color by 10%, you get **27.3397, 33.0376, 15.7151**, and if you desaturate by 10%, it is **30.3168, 34.3659, 25.1832**.

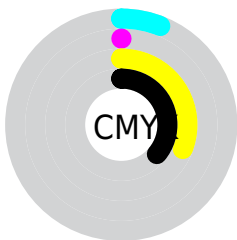
Distribution



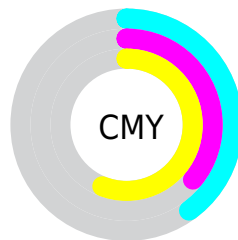
- Red (60%)
- Green (64%)
- Blue (44%)



- Red (44%)
- Yellow (64%)
- Blue (47%)



- Cyan (6%)
- Magenta (0%)
- Yellow (31%)
- Black (36%)



- Cyan (40%)
- Magenta (36%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7385, 33.6638, 20.0220 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 28.7385, 33.6638, 20.0220 by changing the saturation by 10% instead.

■ 28.7385, 33.6638,
20.0220

■ 28.7385, 33.6638,
20.0220

287.9956,
318.6303, 264.6424

■ 19.0264, 22.6354,
12.2268

■ 57.0618, 65.4105,
44.3135

■ 11.7935, 14.3246,
6.7739

■ 76.4037, 86.8976,
61.6469

■ 6.6744, 8.3467,
3.2448

■ 99.6862, 112.6398,
82.9968

■ 3.3038, 4.3176,
1.2210

■ 127.2747,
143.0215, 108.7817

■ 1.3164, 1.8528,
0.0000

159.5345,
178.4269, 139.4202

■ 0.1954, 0.5197,
0.0000

196.8311,

■ 0.0000, 0.0000,

219.2406, 175.3308

0.0000

239.5296,
265.8470, 216.9320

■ 28.7385, 33.6638,
20.0220

■ 28.7385, 33.6638,
20.0220

■ 27.3397, 33.0376,
15.7151

■ 30.3168, 34.3659,
25.1832

■ 26.1089, 32.4794,
12.2142

■ 32.0801, 35.1427,
31.2392

■ 25.0373, 31.9866,
9.4697


■ 34.0372, 35.9989,
38.2304


■ 24.1141, 31.5549,
7.4252


■ 36.1950, 36.9373,
46.1942


■ 23.3270, 31.1795,
6.0170


■ 38.5606, 37.9607,
55.1661

 22.6615, 30.8545,
5.1695

 41.1403, 39.0716,
65.1795

 22.1620, 30.6060,
4.7395

 43.9404, 40.2726,
76.2665

 46.9669, 41.5661,
88.4577

 49.9332, 42.8375,
100.2444

Harmonies

Analogous

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



32.5815, 33.6638, 18.6233



28.7385, 33.6638, 20.0220



25.9896, 33.6638, 25.4812

Triad

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



28.7385, 33.6638, 20.0220



27.8110, 33.6638, 58.3158



40.3980, 33.6638, 38.3450

Complementary

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



28.7385, 33.6638, 20.0220



20.0925, 18.0434, 36.6081

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.



38.8640, 33.6638, 50.6923



28.7385, 33.6638, 20.0220



31.4184, 33.6638, 63.6629

Square

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



28.7385, 33.6638, 20.0220



25.4867, 33.6638, 47.1952



35.4917, 33.6638, 60.6152



39.5298, 33.6638, 27.8126

Rectangle

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



28.7385, 33.6638, 20.0220



25.0342, 33.6638, 31.4263



35.4917, 33.6638, 60.6152



40.1429, 33.6638, 42.4318

Sweetspot

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



28.7394, 33.6653, 20.0227



59.0255, 64.1421, 59.4890



24.5294, 22.3473, 18.0600



13.1492, 14.3588, 12.9811



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



28.7394, 33.6653, 20.0227



50.3003, 60.2759, 30.5354



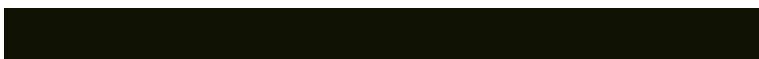
24.5655, 31.5136, 19.8274



7.5127, 8.1668, 7.5605



17.4937, 24.1288, 3.7353



0.4004, 0.5239, 0.0800

Inverse Universe

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



20.0925, 18.0434, 36.6081



32.0181, 27.2313, 65.6247



24.0346, 20.0756, 36.7926



6.8242, 6.9237, 8.8798



5.6308, 2.3093, 27.0787



0.1518, 0.0658, 0.5706

Previews

White Background



This preview shows how the XYZ color 28.7385, 33.6638, 20.0220 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 28.7385, 33.6638, 20.0220 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

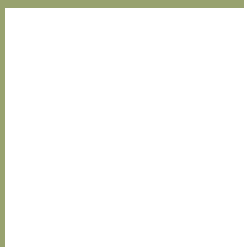
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7385, 33.6638, 20.0220

Background



This preview shows how black text looks on a background with the XYZ color 28.7385, 33.6638, 20.0220.



This preview shows how white text looks on a background with the XYZ color 28.7385, 33.6638,

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

28.7385, 33.6638, 20.0220

Protanopia

31.1795, 33.6531, 19.3204

Deuteranopia

34.1933, 33.4667, 20.5771



Tritanopia

32.9945, 33.6036, 41.3064

Trichromacy



Original Color

28.7385, 33.6638, 20.0220

Protanomaly

30.3169, 33.7086, 19.6604

Deuteranomaly

31.9918, 33.3021, 20.3646

Tritanomaly

31.2036, 33.6282, 32.4501

Monochromacy



Original Color

28.7385, 33.6638, 20.0220

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.6128, 32.3842, 28.7348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7385, 33.6638, 20.0220 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, 162, 111)` looks like.

```
.text, #text, p{  
    color:rgb(152, 162, 111)  
}
```

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, 162, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 162, 111) }
```

Border

The CSS property to change the border of an element to XYZ 28.7385, 33.6638, 20.0220 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, 162, 111) }
```


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

```
.border{ border-color:rgb(152, 162, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 162, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 162, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 162, 111);  
box-shadow:4px 4px 4px 4px rgb(152, 162,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7385, 33.6638, 20.0220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 162, 111) }
```

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

```
.background{ background-color: rgb(152,  
162, 111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor