

Converting Colors

XYZ(29.1457, 33.0791, 20.7684)

Have a look what the booklet for
XYZ(29.1457, 33.0791, 20.7684)
contains.

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Color

**XYZ(29.1457, 33.0791,
20.7684)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9F72
RGB	156, 159, 114
RGB Percent	61%, 62%, 45%
CMY	0.3882, 0.3765, 0.5529
CMYK	0.02, 0.00, 0.28, 0.38
HSL	64°, 19%, 54%
HSV	64°, 28%, 62%
XYZ	29.1457, 33.0791, 20.7684
YIQ	152.9730, 12.6570, -14.6310

Conversions

Conversions Part 2

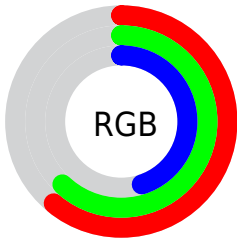
Format	Color
RYB	114, 159, 117
Decimal	10264434
CIELab	64.22, -8.63, 23.19
CIELCh	64, 24.744, 110.405
Yxy	33.0791, 0.3512, 0.3986
Android (android.graphics.Color)	4288454514 (0xFF9C9F72)
YUV	152.9730, -19.2137, 2.6547
Hunter-Lab	57.5144, -10.1946, 18.8505

Details

The XYZ color **29.1457, 33.0791, 20.7684** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.6128, 18.3207, 35.3053**, and the grayscale version is **30.3443, 31.9246, 34.7659**.

A 20% lighter version of the original color is **57.7935, 64.6952, 45.5178**, and **12.0256, 14.0498, 7.0791** is the 20% darker color. If you saturate the color by 10%, you get **28.1141, 32.6440, 16.3995**, and if you desaturate by 10%, it is **30.3382, 33.5811, 25.9675**.

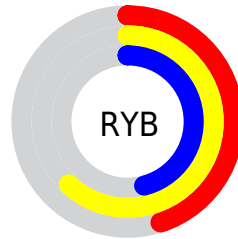
Distribution



Red (61%)

Green (62%)

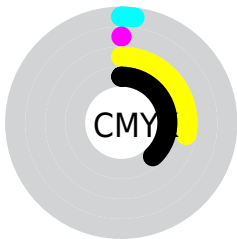
Blue (45%)



Red (45%)

Yellow (62%)

Blue (46%)

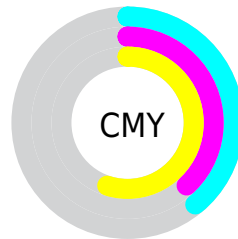


Cyan (2%)

Magenta (0%)

Yellow (28%)

Black (38%)



Cyan (39%)

Magenta (38%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1457, 33.0791, 20.7684 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 29.1457, 33.0791, 20.7684 by changing the saturation by 10% instead.

■ 29.1457, 33.0791,
20.7684

■ 29.1457, 33.0791,
20.7684

289.8836,
316.0060, 268.7856

■ 19.3359, 22.1870,
12.7652

■ 57.7045, 64.4990,
45.5775

■ 12.0187, 13.9944,
7.1383

■ 77.1841, 85.7956,
63.2206

■ 6.8287, 8.1168,
3.4690

■ 100.6178,
111.3293, 84.9140

■ 3.4006, 4.1698,
1.3388

■ 128.3708,
141.4843, 111.0763

■ 1.3690, 1.7690,
0.0933

160.8086,
176.6451, 142.1261

■ 0.2340, 0.4677,
0.0000

198.2964,

■ 0.0000, 0.0000,

217.1960, 178.4819

0.0000

241.1996,
263.5215, 220.5622

■ 29.1457, 33.0791,
20.7684

■ 29.1457, 33.0791,
20.7684

■ 28.1141, 32.6440,
16.3995

■ 30.3382, 33.5811,
25.9675

■ 27.2326, 32.2680,
12.8158

■ 31.6965, 34.1485,
32.0344

■ 26.4933, 31.9490,
9.9713

■ 33.2287, 34.7856,
39.0071

■ 25.8863, 31.6832,
7.8142

■ 34.9413, 35.4951,
46.9206

■ 25.4005, 31.4661,
6.2863

■ 36.8407, 36.2795,
55.8082

■ 25.0231, 31.2925,
5.3195

■ 38.9328, 37.1412,
65.7013

■ 24.7299, 31.1529,
4.7872

■ 41.2235, 38.0826,
76.6302

■ 24.6823, 31.1301,
4.7078

■ 43.7181, 39.1057,
88.6237

■ 46.0811, 40.0764,
99.9145

Harmonies

Analogous

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



32.5792, 33.0791, 20.1223



29.1457, 33.0791, 20.7684



26.5213, 33.0791, 25.0488

Triad

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



29.1457, 33.0791, 20.7684



27.3321, 33.0791, 53.0601



38.5763, 33.0791, 39.3365

Complementary

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



29.1457, 33.0791, 20.7684



19.6128, 18.3207, 35.3053

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.



36.9336, 33.0791, 49.7957



29.1457, 33.0791, 20.7684



30.3290, 33.0791, 58.6366

Square

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



29.1457, 33.0791, 20.7684



25.5295, 33.0791, 43.1860



33.8531, 33.0791, 57.3419



38.2004, 33.0791, 29.6897

Rectangle

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



29.1457, 33.0791, 20.7684



25.5012, 33.0791, 29.9160



33.8531, 33.0791, 57.3419



38.2375, 33.0791, 42.8969

Sweetspot

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



29.1465, 33.0806, 20.7691



56.8014, 61.1695, 57.5432



23.6978, 21.3093, 18.7842



12.7223, 13.7558, 12.5966



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



29.1465, 33.0806, 20.7691



50.9908, 58.7320, 32.0620



25.1886, 31.0402, 20.5839



7.1264, 7.6978, 7.0959



19.5077, 24.5933, 3.7188



0.3605, 0.4458, 0.0670

Inverse Universe

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



19.6128, 18.3207, 35.3053



31.0436, 27.8461, 62.4821



23.0075, 20.0707, 35.4642



6.3237, 6.4554, 8.3194



5.0621, 2.0386, 26.0339



0.1012, 0.0419, 0.4660

Previews

White Background



This preview shows how the XYZ color 29.1457, 33.0791, 20.7684 looks on a white background.

Color Contrast Check

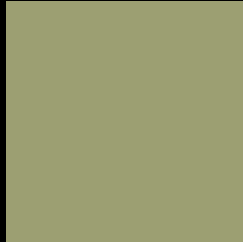
Large Text (above 18pt) WCAG AA × Fail

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 29.1457, 33.0791, 20.7684 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

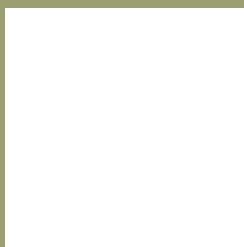
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1457, 33.0791, 20.7684

Background



This preview shows how black text looks on a background with the XYZ color 29.1457, 33.0791, 20.7684.



This preview shows how white text looks on a background with the XYZ color 29.1457, 33.0791,

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

29.1457, 33.0791, 20.7684

Protanopia

30.5823, 32.8280, 20.0538

Deuteranopia

33.6670, 32.9462, 21.1078



Tritanopia

32.8294, 32.8182, 39.7262

Trichromacy



Original Color

29.1457, 33.0791, 20.7684

Protanomaly

29.9734, 32.7557, 20.3655

Deuteranomaly

31.9413, 33.0189, 20.9095

Tritanomaly

31.4069, 32.9916, 31.9068

Monochromacy



Original Color

29.1457, 33.0791, 20.7684

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.7080, 32.1768, 29.0711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1457, 33.0791, 20.7684 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(156, 159, 114)` looks like.

```
.text, #text, p{  
    color:rgb(156, 159, 114)  
}
```

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(156, 159, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 159, 114) }
```

Border

The CSS property to change the border of an element to XYZ 29.1457, 33.0791, 20.7684 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(156, 159, 114) }
```


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

```
.border{ border-color:rgb(156, 159, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 159, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 159, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 159, 114); box-shadow:4px 4px 4px 4px rgb(156, 159, 114) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1457, 33.0791, 20.7684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 159, 114) }
```

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

```
.background{ background-color: rgb(156,  
159, 114) }
```

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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