

Converting Colors

XYZ(28.2353, 31.6197, 33.3763)

Have a look what the booklet for
XYZ(28.2353, 31.6197, 33.3763)
contains.

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Color

**XYZ(28.2087, 31.5544,
33.4580)**

Conversions

Conversions Part 1

Format	Color
Hex	8C9C96
RGB	140, 156, 150
RGB Percent	55%, 61%, 59%
CMY	0.4510, 0.3882, 0.4118
CMYK	0.10, 0.00, 0.04, 0.39
HSL	157°, 7%, 58%
HSV	157°, 10%, 61%
XYZ	28.2087, 31.5544, 33.4580
YIQ	150.5320, -7.6100, -5.2580

Conversions

Conversions Part 2

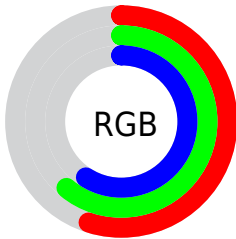
Format	Color
RYB	140, 150, 156
Decimal	9215126
CIELab	62.97, -6.88, 1.20
CIElCh	63, 6.987, 170.122
Yxy	31.5544, 0.3026, 0.3385
Android (android.graphics.Color)	4287405206 (0xFF8C9C96)
YUV	150.5320, -0.2623, -9.2366
Hunter-Lab	56.1733, -8.6655, 4.0069

Details

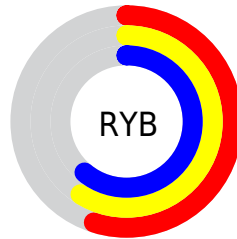
The XYZ color **28.2087, 31.5544, 33.4580** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.2778, 27.9002, 31.0905**, and the grayscale version is **29.2197, 30.7414, 33.4774**.

A 20% lighter version of the original color is **56.1938, 61.9222, 66.1172**, and **11.5202, 13.1777, 13.7407** is the 20% darker color. If you saturate the color by 10%, you get **25.3048, 30.1113, 30.9239**, and if you desaturate by 10%, it is **31.5107, 33.2017, 36.1349**.

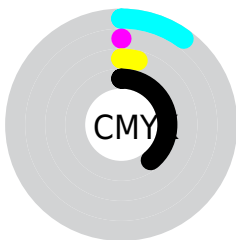
Distribution



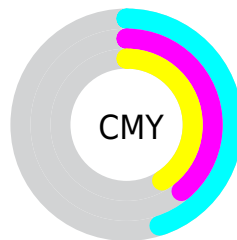
- Red (55%)
- Green (61%)
- Blue (59%)



- Red (55%)
- Yellow (59%)
- Blue (61%)



- Cyan (10%)
- Magenta (0%)
- Yellow (4%)
- Black (39%)



- Cyan (45%)
- Magenta (39%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2087, 31.5544, 33.4580 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 28.2087, 31.5544, 33.4580 by changing the saturation by 10% instead.

■ 28.2087, 31.5544,
33.4580

■ 28.2087, 31.5544,
33.4580

285.5248,
309.0844, 332.4036

■ 18.6243, 21.0214,
22.2035

■ 56.2238, 62.1119,
66.2142

■ 11.5015, 13.1396,
13.8068

■ 75.3852, 82.9051,
88.5529

■ 6.4750, 7.5248,
7.8492

■ 98.4696, 107.8872,
115.4236

■ 3.1794, 3.7924,
3.9122

125.8424,
137.4426, 147.2446

■ 1.2493, 1.5581,
1.5773

157.8690,
171.9555, 184.4346

■ 0.1448, 0.3291,
0.2746

194.9147,

■ 0.0000, 0.0000,

211.8106, 227.4121

0.0000

237.3449,
257.3921, 276.5955

■ 28.2087, 31.5544,
33.4580

■ 28.2087, 31.5544,
33.4580

■ 25.3048, 30.1113,
30.9239

■ 31.5107, 33.2017,
36.1349

■ 22.7803, 28.8603,
28.5279

■ 35.2230, 35.0569,
38.9550

■ 20.6190, 27.7939,
26.2683

■ 39.3608, 37.1286,
41.9213

■ 18.8026, 26.9027,
24.1421

■ 43.9376, 39.4239,
45.0361

■ 17.3111, 26.1764,
22.1468

■ 48.9663, 41.9492,
48.3017

■ 16.1221, 25.6036,
20.2791

■ 54.4593, 44.7110,
51.7202

■ 15.2105, 25.1713,
18.5360

■ 60.4285, 47.7153,
55.2937

■ 14.5469, 24.8644,
16.9141

■ 63.1858, 49.0608,
58.8513

■ 14.0695, 24.6503,
15.4452

■ 63.8688, 49.3340,
62.4476

Harmonies

Analogous

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



28.5965, 31.5544, 31.0767



28.2087, 31.5544, 33.4580



28.2907, 31.5544, 36.2091

Triad

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



28.2087, 31.5544, 33.4580



30.6313, 31.5544, 39.5666



31.1912, 31.5544, 30.4564

Complementary

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



28.2087, 31.5544, 33.4580



28.2778, 27.9002, 31.0905

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.



31.7592, 31.5544, 32.5698



28.2087, 31.5544, 33.4580



31.4311, 31.5544, 37.8612

Square

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



28.2087, 31.5544, 33.4580



29.6758, 31.5544, 39.8357



31.8479, 31.5544, 35.2727



30.3094, 31.5544, 29.4059

Rectangle

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



28.2087, 31.5544, 33.4580



28.6014, 31.5544, 37.8796



31.8479, 31.5544, 35.2727



31.4259, 31.5544, 31.0606

Sweetspot

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



28.2096, 31.5557, 33.4587



55.4756, 59.4255, 64.2402



28.5009, 31.7950, 29.4463



12.1028, 13.0242, 14.0521



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



28.2096, 31.5557, 33.4587



50.1334, 56.7634, 59.8358



28.3946, 31.1323, 35.9667



6.7162, 7.4672, 7.9403



11.6056, 20.3102, 12.8119



0.2275, 0.3711, 0.3342

Inverse Universe

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



28.2778, 27.9002, 31.0905



50.2794, 48.9476, 54.7727



28.0981, 28.2685, 28.7868



6.7308, 6.6853, 7.4337



11.9488, 6.0841, 3.9811



0.2334, 0.1167, 0.1750

Previews

White Background



This preview shows how the XYZ color 28.2087, 31.5544, 33.4580 looks on a white background.

Color Contrast Check

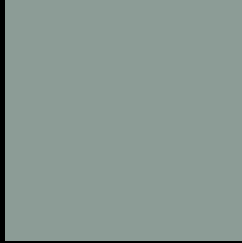
Large Text (above 18pt) WCAG AA × Fail

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 28.2087, 31.5544, 33.4580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

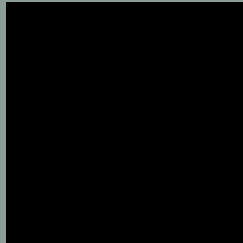
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.2087, 31.5544, 33.4580

Background



This preview shows how black text looks on a background with the XYZ color 28.2087, 31.5544, 33.4580.



This preview shows how white text looks on a background with the XYZ color 28.2087, 31.5544,

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

28.2087, 31.5544, 33.4580

Protanopia

30.0434, 31.3077, 32.0633

Deuteranopia

32.0376, 31.3499, 34.0683



Tritanopia

29.7662, 31.7040, 40.6270

Trichromacy



Original Color

28.2087, 31.5544, 33.4580

Protanomaly

29.3142, 31.4046, 32.5336

Deuteranomaly

30.3969, 31.2152, 33.7012

Tritanomaly

29.2218, 31.7315, 37.8423

Monochromacy



Original Color

28.2087, 31.5544, 33.4580

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.0098, 31.2199, 33.7752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2087, 31.5544, 33.4580 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(140, 156, 150)` looks like.

```
.text, #text, p{  
    color:rgb(140, 156, 150)  
}
```

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(140, 156, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 156, 150) }
```

Border

The CSS property to change the border of an element to XYZ 28.2087, 31.5544, 33.4580 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(140, 156, 150) }
```


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

```
.border{ border-color:rgb(140, 156, 150) }
```

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

Here you see how a box with a 4 pixel rgb(140, 156, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 156, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 156, 150);  
box-shadow:4px 4px 4px 4px rgb(140, 156,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2087, 31.5544, 33.4580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 156, 150) }
```

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

```
.background{ background-color: rgb(140,  
156, 150) }
```

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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