

Converting Colors

XYZ(23.7850, 34.2035, 28.4120)

Have a look what the booklet for
XYZ(23.7850, 34.2035, 28.4120)
contains.

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Color

**XYZ(23.7257, 34.1950,
28.2715)**

Conversions

Conversions Part 1

Format	Color
Hex	5AAE87
RGB	90, 174, 135
RGB Percent	35%, 68%, 53%
CMY	0.6470, 0.3176, 0.4706
CMYK	0.48, 0.00, 0.22, 0.32
HSL	152°, 34%, 52%
HSV	152°, 48%, 68%
XYZ	23.7257, 34.1950, 28.2715
YIQ	144.4380, -37.5450, -29.9370

Conversions

Conversions Part 2

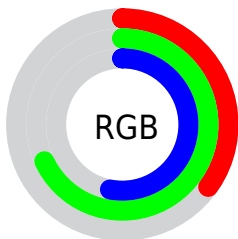
Format	Color
RYB	90, 145, 174
Decimal	5942919
CIELab	65.12, -34.82, 12.26
CIElCh	65, 36.918, 160.598
Yxy	34.1950, 0.2753, 0.3967
Android (android.graphics.Color)	4284132999 (0xFF5AAE87)
YUV	144.4380, -4.6529, -47.7421
Hunter-Lab	58.4765, -29.9110, 12.2687

Details

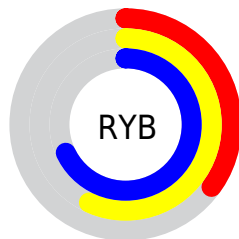
The XYZ color **23.7257, 34.1950, 28.2715** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **25.0753, 17.8969, 22.9031**, and the grayscale version is **26.7158, 28.1071, 30.6086**.

A 20% lighter version of the original color is **49.0510, 66.2442, 57.7781**, and **9.0727, 14.6377, 10.9415** is the 20% darker color. If you saturate the color by 10%, you get **21.6800, 33.2046, 25.3187**, and if you desaturate by 10%, it is **26.2126, 35.4097, 31.4718**.

Distribution



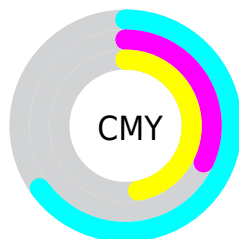
- Red (35%)
- Green (68%)
- Blue (53%)



- Red (35%)
- Yellow (57%)
- Blue (68%)



- Cyan (48%)
- Magenta (0%)
- Yellow (22%)
- Black (32%)



- Cyan (65%)
- Magenta (32%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7257, 34.1950, 28.2715 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 23.7257, 34.1950, 28.2715 by changing the saturation by 10% instead.

■ 23.7257, 34.1950,
28.2715

■ 23.7257, 34.1950,
28.2715

263.8970,
321.0007, 307.7146

■ 15.2539, 23.0434,
18.2896

■ 49.0402, 66.2368,
57.9459

■ 9.0852, 14.6256,
10.9865

■ 66.6135, 87.8958,
78.4755

■ 4.8544, 8.5570,
5.9437

■ 87.9514, 113.8261,
103.3581

■ 2.1960, 4.4534,
2.7426

■ 113.4193,
144.4121, 133.0122

■ 0.7406, 1.9303,
0.9648

143.3824,
180.0382, 167.8564

■ 0.0000, 0.5665,
0.0000

178.2062,

■ 0.0000, 0.0000,

221.0887, 208.3091

0.0000

218.2560,
267.9481, 254.7890

■ 23.7257, 34.1950,
28.2715

■ 23.7257, 34.1950,
28.2715

■ 21.6800, 33.2046,
25.3187

■ 26.2126, 35.4097,
31.4718

■ 20.0437, 32.4194,
22.6047

■ 29.1643, 36.8580,
34.9233

■ 18.7850, 31.8241,
20.1237

■ 32.6056, 38.5536,
38.6326

■ 17.8658, 31.3992,
17.8684

■ 36.5592, 40.5079,
42.6052

■ 17.2219, 31.1117,
15.8304

■ 41.0459, 42.7316,
46.8466

■ 17.1219, 31.0674,
15.4997

■ 46.0855, 45.2349,
51.3619

■ 51.6969, 48.0274,
56.1562

■ 57.8977, 51.1181,
61.2344

■ 64.7052, 54.5157,
66.6014

Harmonies

Analogous

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



26.2515, 34.1950, 19.0322



23.7257, 34.1950, 28.2715



23.3956, 34.1950, 42.9227

Triad

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



23.7257, 34.1950, 28.2715



34.4318, 34.1950, 74.3849



40.9620, 34.1950, 21.1526

Complementary

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



23.7257, 34.1950, 28.2715



25.0753, 17.8969, 22.9031

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.



43.7076, 34.1950, 32.0689



23.7257, 34.1950, 28.2715



39.6718, 34.1950, 64.4074

Square

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



23.7257, 34.1950, 28.2715



29.1998, 34.1950, 72.5419



43.2111, 34.1950, 47.9114



36.0428, 34.1950, 15.7716

Rectangle

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



23.7257, 34.1950, 28.2715



24.4205, 34.1950, 54.3474



43.2111, 34.1950, 47.9114



42.1929, 34.1950, 24.1507

Sweetspot

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



23.7266, 34.1964, 28.2723



61.9155, 71.3000, 72.9172



26.0663, 35.6945, 15.1893



13.4324, 15.6847, 15.8715



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.7266, 34.1964, 28.2723



39.0756, 60.1079, 45.5389



26.4583, 34.4325, 45.2976



8.0771, 9.0084, 9.4310



12.4484, 22.5446, 11.4008



0.3736, 0.6381, 0.4608

Inverse Universe

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



25.0753, 17.8969, 22.9031



41.8215, 26.9799, 34.6495



23.1989, 17.5313, 11.8346



8.1542, 8.0749, 9.1226



13.7615, 6.9672, 6.3897



0.4106, 0.2049, 0.3242

Previews

White Background



This preview shows how the XYZ color 23.7257, 34.1950, 28.2715 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 23.7257, 34.1950, 28.2715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

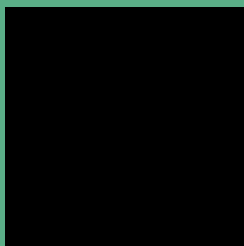
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.7257, 34.1950, 28.2715

Background



This preview shows how black text looks on a background with the XYZ color 23.7257, 34.1950, 28.2715.



This preview shows how white text looks on a background with the XYZ color 23.7257, 34.1950,

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

23.7257, 34.1950, 28.2715

Protanopia

31.8241, 33.8617, 24.9373

Deuteranopia

34.3906, 33.6104, 29.4858



Tritanopia

27.8226, 34.1662, 48.8444

Trichromacy



Original Color

23.7257, 34.1950, 28.2715

Protanomaly

27.7739, 33.2951, 26.0818

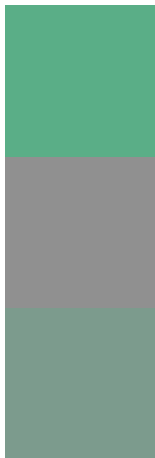
Deuteranomaly

29.0182, 32.8343, 28.8530

Tritanomaly

26.1126, 34.0265, 40.3134

Monochromacy



Original Color

23.7257, 34.1950, 28.2715

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

24.8412, 29.6509, 29.6132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7257, 34.1950, 28.2715 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(90, 174, 135)` looks like.

```
.text, #text, p{  
    color:rgb(90, 174, 135)  
}
```

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(90, 174, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 174, 135) }
```

Border

The CSS property to change the border of an element to XYZ 23.7257, 34.1950, 28.2715 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(90, 174, 135) }
```


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

```
.border{ border-color:rgb(90, 174, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 174, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 174, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 174, 135);  
box-shadow:4px 4px 4px 4px rgb(90, 174,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7257, 34.1950, 28.2715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 174, 135) }
```

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

```
.background{ background-color: rgb(90, 174,  
135) }
```

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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