

Converting Colors

XYZ(27.0937, 35.6201, 49.4487)

Have a look what the booklet for
XYZ(27.0937, 35.6201, 49.4487)
contains.

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Color

**XYZ(27.2531, 35.8312,
49.7357)**

Conversions

Conversions Part 1

Format	Color
Hex	52AFB6
RGB	82, 175, 182
RGB Percent	32%, 69%, 71%
CMY	0.6784, 0.3137, 0.2863
CMYK	0.55, 0.04, 0.00, 0.29
HSL	184°, 41%, 52%
HSV	184°, 55%, 71%
XYZ	27.2531, 35.8312, 49.7357
YIQ	147.9910, -57.6750, -17.5390

Conversions

Conversions Part 2

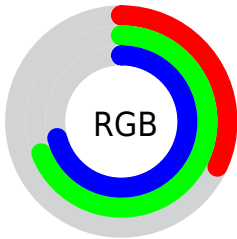
Format	Color
R _Y B	82, 130, 182
Decimal	5418934
CIE Lab	66.39, -25.42, -11.97
CIE LCh	66, 28.104, 205.220
Yxy	35.8312, 0.2416, 0.3176
Android (android.graphics.Color)	4283609014 (0xFF52AFB6)
YUV	147.9910, 16.7664, -57.8741
Hunter-Lab	59.8592, -23.4848, -7.3614

Details

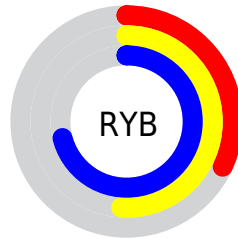
The XYZ color **27.2531, 35.8312, 49.7357** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **24.3874, 17.6996, 10.1144**, and the grayscale version is **28.0951, 29.5582, 32.1889**.

A 20% lighter version of the original color is **54.8237, 68.9003, 91.2985**, and **10.9470, 15.5170, 23.1870** is the 20% darker color. If you saturate the color by 10%, you get **25.6290, 34.6285, 49.5898**, and if you desaturate by 10%, it is **29.3014, 37.2577, 49.9037**.

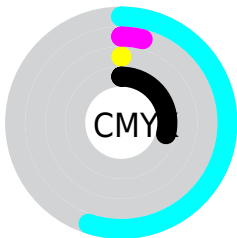
Distribution



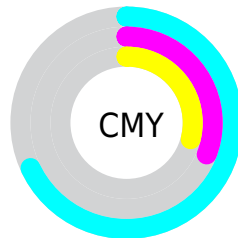
- Red (32%)
- Green (69%)
- Blue (71%)



- Red (32%)
- Yellow (51%)
- Blue (71%)



- Cyan (55%)
- Magenta (4%)
- Yellow (0%)
- Black (29%)



- Cyan (68%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2531, 35.8312, 49.7357 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 27.2531, 35.8312, 49.7357 by changing the saturation by 10% instead.

■ 27.2531, 35.8312,
49.7357

■ 27.2531, 35.8312,
49.7357

281.0258,
328.2222, 402.3369

■ 17.9010, 24.3039,
34.8337

■ 54.7068, 68.7714,
91.1754

■ 10.9782, 15.5592,
23.2523

■ 73.5390, 90.9531,
118.5503

■ 6.1193, 9.2128,
14.5729

■ 96.2620, 117.4551,
150.9198

■ 2.9591, 4.8802,
8.3769

■ 123.2411,
148.6616, 188.7026

■ 1.1322, 2.1772,
4.2458

154.8417,
184.9572, 232.3171

■ 0.0518, 0.7075,
1.7612

191.4291,

■ 0.0000, 0.0000,

226.7263, 282.1820

0.4021

233.3687,
274.3531, 338.7157

■ 0.0000, 0.0000,
0.0000

■ 27.2531, 35.8312,
49.7357

■ 27.2531, 35.8312,
49.7357

■ 25.6290, 34.6285,
49.5898

■ 29.3014, 37.2577,
49.9037

■ 24.3919, 33.6279,
49.4619

■ 31.8009, 38.9195,
50.0928

■ 23.5036, 32.8106,
49.3509

■ 34.7803, 40.8322,
50.3049

■ 22.9163, 32.1518,
49.2547

■ 38.2647, 43.0087,
50.5414

■ 22.6808, 31.8517,
49.2092

■ 42.2777, 45.4613,
50.8032

■ 46.8414, 48.2012,
51.0916

■ 51.9765, 51.2392,
51.4073

■ 57.7026, 54.5855,
51.7514

■ 64.0386, 58.2497,
52.1247

Harmonies

Analogous

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



26.6180, 35.8312, 37.1162



27.2531, 35.8312, 49.7357



29.6495, 35.8312, 61.2908

Triad

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



27.2531, 35.8312, 49.7357



41.1383, 35.8312, 53.7693



34.7347, 35.8312, 20.1894

Complementary

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



27.2531, 35.8312, 49.7357



24.3874, 17.6996, 10.1144

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.



38.8798, 35.8312, 22.9183



27.2531, 35.8312, 49.7357



42.7657, 35.8312, 40.9756

Square

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



27.2531, 35.8312, 49.7357



37.6191, 35.8312, 63.9354



41.9072, 35.8312, 29.9559



30.7262, 35.8312, 21.5914

Rectangle

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



27.2531, 35.8312, 49.7357



32.0352, 35.8312, 65.9596



41.9072, 35.8312, 29.9559



36.1610, 35.8312, 20.6345

Sweetspot

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



27.2542, 35.8326, 49.7365



68.4797, 77.4211, 91.5702



21.9976, 35.9661, 15.1616



14.8279, 16.9155, 20.2051



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.2542, 35.8326, 49.7365



45.9195, 62.3557, 89.8514



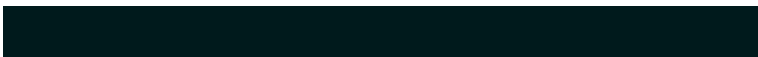
19.2999, 19.9239, 47.0851



9.2114, 10.1001, 11.5435



16.0368, 22.5333, 34.7572



0.5815, 0.8267, 1.2307

Inverse Universe

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



30.0474, 19.0757, 42.6573



51.6446, 29.3623, 75.0382



29.9996, 28.9240, 11.9852



9.3531, 9.1516, 11.2067



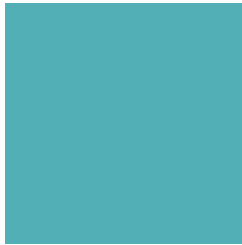
18.7083, 9.0571, 27.4146



0.6677, 0.3226, 1.0095

Previews

White Background



This preview shows how the XYZ color 27.2531, 35.8312, 49.7357 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 27.2531, 35.8312, 49.7357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

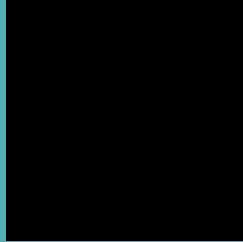
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.2531, 35.8312, 49.7357

Background



This preview shows how black text looks on a background with the XYZ color 27.2531, 35.8312, 49.7357.

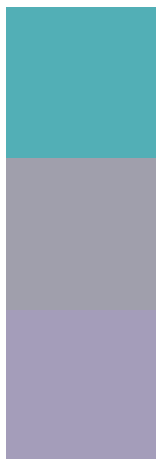


This preview shows how white text looks on a background with the XYZ color 27.2531, 35.8312,

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

27.2531, 35.8312, 49.7357

Protanopia

34.3417, 35.2484, 44.0233

Deuteranopia

36.2297, 35.5516, 51.4070



Tritanopia

27.8693, 35.7878, 53.0158

Trichromacy



Original Color

27.2531, 35.8312, 49.7357

Protanomaly

30.8073, 34.9504, 46.1967

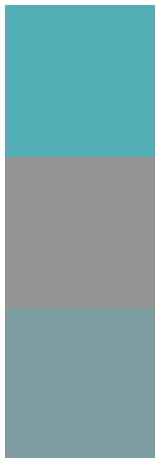
Deuteranomaly

31.8639, 35.1220, 50.9988

Tritanomaly

27.5663, 35.6563, 51.8838

Monochromacy



Original Color

27.2531, 35.8312, 49.7357

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

26.8842, 31.2769, 37.8778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2531, 35.8312, 49.7357 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(82, 175, 182)` looks like.

```
.text, #text, p{  
    color:rgb(82, 175, 182)  
}
```

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(82, 175, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 175, 182) }
```

Border

The CSS property to change the border of an element to XYZ 27.2531, 35.8312, 49.7357 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(82, 175, 182) }
```


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

```
.border{ border-color:rgb(82, 175, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 175, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 175, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 175, 182);  
box-shadow:4px 4px 4px 4px rgb(82, 175,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2531, 35.8312, 49.7357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 175, 182) }
```

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

```
.background{ background-color: rgb(82, 175,  
182) }
```

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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