

Converting Colors

XYZ(27.5081, 35.4336, 57.4275)

Have a look what the booklet for
XYZ(27.5081, 35.4336, 57.4275)
contains.

XYZ(27.6256, 35.5597, 57.6322)	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(27.6256, 35.5597,
57.6322)**

Conversions

Conversions Part 1

Format	Color
Hex	46AEC4
RGB	70, 174, 196
RGB Percent	27%, 68%, 77%
CMY	0.7255, 0.3176, 0.2314
CMYK	0.64, 0.11, 0.00, 0.23
HSL	190°, 52%, 52%
HSV	190°, 64%, 77%
XYZ	27.6256, 35.5597, 57.6322
YIQ	145.4120, -69.0460, -15.2060

Conversions

Conversions Part 2

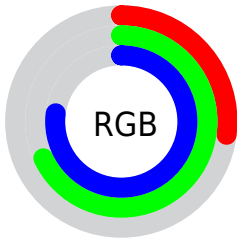
Format	Color
RYB	70, 127, 196
Decimal	4632260
CIELab	66.18, -23.03, -20.09
CIElCh	66, 30.561, 221.098
Yxy	35.5597, 0.2287, 0.2943
Android (android.graphics.Color)	4282822340 (0xFF46AEC4)
YUV	145.4120, 24.9399, -66.1363
Hunter-Lab	59.6320, -21.6625, -15.5593

Details

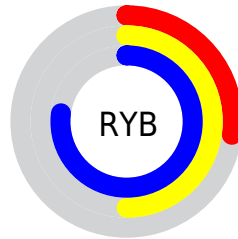
The XYZ color **27.6256, 35.5597, 57.6322** is a dark color, and the websafe version is hex **339999**. The color can be described as middle muted azure. A complement of this color would be **27.6985, 19.8333, 8.1638**, and the grayscale version is **27.0042, 28.4105, 30.9391**.

A 20% lighter version of the original color is **55.3865, 68.5108, 103.2332**, and **11.7199, 15.6277, 27.9899** is the 20% darker color. If you saturate the color by 10%, you get **25.7832, 33.6416, 57.3597**, and if you desaturate by 10%, it is **29.9484, 37.7519, 57.9336**.

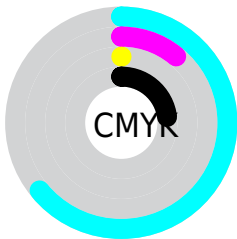
Distribution



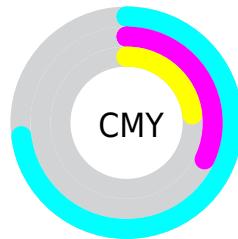
- Red (27%)
- Green (68%)
- Blue (77%)



- Red (27%)
- Yellow (50%)
- Blue (77%)



- Cyan (64%)
- Magenta (11%)
- Yellow (0%)
- Black (23%)



- Cyan (73%)
- Magenta (32%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6256, 35.5597, 57.6322 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 27.6256, 35.5597, 57.6322 by changing the saturation by 10% instead.

■ 27.6256, 35.5597,
57.6322

■ 27.6256, 35.5597,
57.6322

282.7862,
327.0320, 433.3740

■ 18.1826, 24.0943,
41.1003

■ 55.2990, 68.3519,
102.8965

■ 11.1817, 15.4036,
28.0772

■ 74.2601, 90.4476,
132.4661

■ 6.2574, 9.1031,
18.1443

■ 97.1246, 116.8555,
167.2185

■ 3.0443, 4.8085,
10.8831

■ 124.2579,
147.9600, 207.5725

■ 1.1773, 2.1354,
5.8751

■ 156.0254,
184.1455, 253.9464

■ 0.0883, 0.6844,
2.7017

192.7924,

■ 0.0000, 0.0000,

225.7964, 306.7590

0.9443

234.9242,
273.2971, 366.4286

■ 0.0000, 0.0000,
0.0000

■ 27.6256, 35.5597,
57.6322

■ 27.6256, 35.5597,
57.6322

■ 25.7832, 33.6416,
57.3597

■ 29.9484, 37.7519,
57.9336

■ 24.3709, 31.9694,
57.1114

■ 32.7888, 40.2354,
58.2632

■ 23.3330, 30.5147,
56.8853

■ 36.1843, 43.0304,
58.6238

■ 22.8455, 29.7486,
56.7632

■ 40.1677, 46.1541,
59.0167

■ 44.7694, 49.6222,
59.4436

■ 50.0175, 53.4495,
59.9058

■ 55.9384, 57.6496,
60.4044

■ 62.5570, 62.2357,
60.9408

■ 69.8970, 67.2201,
61.5160

Harmonies

Analogous

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



25.9205, 35.5597, 43.7439



27.6256, 35.5597, 57.6322



31.0431, 35.5597, 67.5856

Triad

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



27.6256, 35.5597, 57.6322



42.7683, 35.5597, 47.4145



32.1424, 35.5597, 18.9704

Complementary

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



27.6256, 35.5597, 57.6322



27.6985, 19.8333, 8.1638

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.



36.7121, 35.5597, 19.5241



27.6256, 35.5597, 57.6322



43.1298, 35.5597, 34.0935

Square

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



27.6256, 35.5597, 57.6322



39.8810, 35.5597, 60.8326



40.8284, 35.5597, 24.4745



28.3681, 35.5597, 22.7414

Rectangle

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



27.6256, 35.5597, 57.6322



33.9664, 35.5597, 69.5564



40.8284, 35.5597, 24.4745



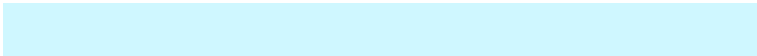
33.6310, 35.5597, 18.6835

Sweetspot

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



27.6267, 35.5610, 57.6331



76.7771, 86.6616, 107.2885



24.1550, 41.5381, 16.6433



15.9256, 18.1643, 22.9166



0.0000, 0.0000, 0.0000



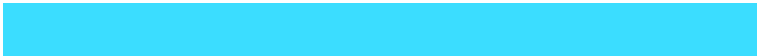
20.3446, 21.4041, 23.3091

Same Dimension

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



27.6267, 35.5610, 57.6331



45.6149, 59.7031, 103.7274



18.2849, 16.8773, 54.5191



10.2141, 11.1195, 12.8928



14.7352, 19.2268, 36.4911



0.6769, 0.9112, 1.5901

Inverse Universe

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



32.5960, 19.1731, 42.0285



55.7996, 29.5575, 70.9737



35.4270, 35.2903, 10.7399



10.4194, 10.2164, 12.2989



18.8336, 9.2232, 22.8336



0.8341, 0.4066, 1.0935

Previews

White Background



This preview shows how the XYZ color 27.6256, 35.5597, 57.6322 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 27.6256, 35.5597, 57.6322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

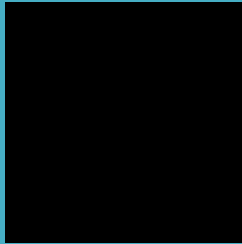
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.6256, 35.5597, 57.6322

Background



This preview shows how black text looks on a background with the XYZ color 27.6256, 35.5597, 57.6322.



This preview shows how white text looks on a background with the XYZ color 27.6256, 35.5597,

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

27.6256, 35.5597, 57.6322

Protanopia

34.6074, 34.9675, 51.3798

Deuteranopia

35.9999, 35.2526, 59.5506



Tritanopia

26.8300, 35.5274, 53.5875

Trichromacy



Original Color

27.6256, 35.5597, 57.6322



Protanomaly

30.8819, 34.5537, 53.7571



Deuteranomaly

31.7182, 34.6030, 59.0401



Tritanomaly

27.2283, 35.6947, 55.3238

Monochromacy



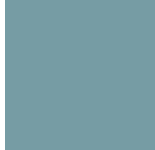
Original Color

27.6256, 35.5597, 57.6322



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

26.0605, 30.3088, 39.5986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6256, 35.5597, 57.6322 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(70, 174, 196)` looks like.

```
.text, #text, p{  
    color:rgb(70, 174, 196)  
}
```

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(70, 174, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 174, 196) }
```

Border

The CSS property to change the border of an element to XYZ 27.6256, 35.5597, 57.6322 is called "border". The border property can be set on classes, ids or directly on the HTML element.

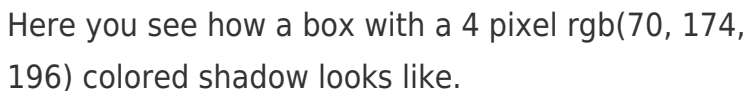
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(70, 174, 196) }
```


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

```
.border{ border-color:rgb(70, 174, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(70, 174, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(70, 174, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(70, 174, 196); box-shadow:4px 4px 4px 4px rgb(70, 174, 196) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6256, 35.5597, 57.6322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 174, 196) }
```

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

```
.background{ background-color: rgb(70, 174,  
196) }
```

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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