

Converting Colors

XYZ(28.6146, 37.1110, 23.7459)

Have a look what the booklet for
XYZ(28.6146, 37.1110, 23.7459)
contains.

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Color

**XYZ(28.6127, 37.1088,
23.7438)**

Conversions

Conversions Part 1

Format	Color
Hex	86AF79
RGB	134, 175, 121
RGB Percent	53%, 69%, 47%
CMY	0.4745, 0.3137, 0.5255
CMYK	0.23, 0.00, 0.31, 0.31
HSL	106°, 25%, 58%
HSV	106°, 31%, 69%
XYZ	28.6127, 37.1088, 23.7438
YIQ	156.5850, -7.1020, -25.4860

Conversions

Conversions Part 2

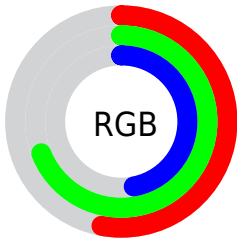
Format	Color
RYB	121, 175, 162
Decimal	8826745
CIELab	67.36, -24.20, 23.34
CIElCh	67, 33.623, 136.039
Yxy	37.1088, 0.3198, 0.4148
Android (android.graphics.Color)	4287016825 (0xFF86AF79)
YUV	156.5850, -17.5434, -19.8070
Hunter-Lab	60.9170, -22.7633, 19.5323

Details

The XYZ color **28.6127, 37.1088, 23.7438** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **29.4771, 24.4523, 43.7256**, and the grayscale version is **31.9408, 33.6042, 36.5950**.

A 20% lighter version of the original color is **56.9549, 70.8992, 50.7275**, and **11.6965, 16.2259, 8.6463** is the 20% darker color. If you saturate the color by 10%, you get **25.6491, 35.6951, 18.5023**, and if you desaturate by 10%, it is **32.0391, 38.7408, 30.0249**.

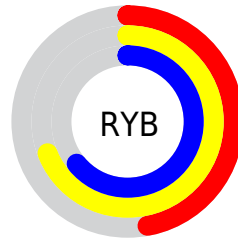
Distribution



Red (53%)

Green (69%)

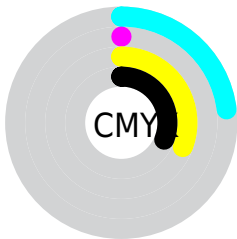
Blue (47%)



Red (47%)

Yellow (69%)

Blue (64%)

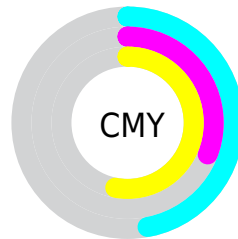


Cyan (23%)

Magenta (0%)

Yellow (31%)

Black (31%)



Cyan (47%)

Magenta (31%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6127, 37.1088, 23.7438 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 28.6127, 37.1088, 23.7438 by changing the saturation by 10% instead.

■ 28.6127, 37.1088,
23.7438

■ 28.6127, 37.1088,
23.7438

287.4104,
333.7813, 284.7674

■ 18.9308, 25.2917,
14.9332

■ 56.8630, 70.7401,
50.5504

■ 11.7240, 16.2945,
8.6264

■ 76.1622, 93.3231,
69.3835

■ 6.6269, 9.7328,
4.4049

■ 99.3978, 120.2636,
92.3945

■ 3.2741, 5.2222,
1.8500

126.9352,
151.9459, 120.0020

■ 1.3003, 2.3782,
0.4606

159.1399,
188.7544, 152.6245

■ 0.1835, 0.8146,
0.0000

196.3770,

■ 0.0000, 0.0000,

231.0736, 190.6805

0.0000

239.0121,
279.2877, 234.5886

■ 28.6127, 37.1088,
23.7438

■ 28.6127, 37.1088,
23.7438

■ 25.6491, 35.6951,
18.5023

■ 32.0391, 38.7408,
30.0249

■ 23.1251, 34.4856,
14.2418

■ 35.9444, 40.5950,
37.3947

■ 21.0196, 33.4719,
10.9021


■ 40.3476, 42.6812,
45.9025


■ 19.3087, 32.6432,
8.4151


■ 45.2658, 45.0072,
55.5936


■ 17.9657, 31.9873,
6.7031


■ 50.7151, 47.5804,
66.5109


 16.9603, 31.4908,
5.6746

 56.7109, 50.4079,
78.6951

 16.2907, 31.1564,
5.1552

 63.2682, 53.4965,
92.1852

 69.4190, 56.4599,
101.8468

 74.1043, 58.8753,
102.0661

Harmonies

Analogous

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



32.6051, 37.1088, 18.8197



28.6127, 37.1088, 23.7438



26.5078, 37.1088, 33.9424

Triad

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



28.6127, 37.1088, 23.7438



32.9354, 37.1088, 74.6463



45.6686, 37.1088, 33.0656

Complementary

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



28.6127, 37.1088, 23.7438



29.4771, 24.4523, 43.7256

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.



45.7791, 37.1088, 47.6402



28.6127, 37.1088, 23.7438



38.0779, 37.1088, 74.2462

Square

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



28.6127, 37.1088, 23.7438



28.8341, 37.1088, 64.4479



42.8891, 37.1088, 63.4602



42.6005, 37.1088, 23.2372

Rectangle

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



28.6127, 37.1088, 23.7438



26.3119, 37.1088, 43.4626



42.8891, 37.1088, 63.4602



46.0624, 37.1088, 37.4946

Sweetspot

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



28.6137, 37.1104, 23.7446



65.6504, 73.3067, 69.4166



33.9644, 36.1610, 23.2793



14.3521, 16.1797, 14.9701



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.



28.6137, 37.1104, 23.7446



47.5552, 64.7001, 35.9600



27.5543, 36.4618, 28.3239



8.0783, 9.0290, 8.5304



11.7134, 22.3355, 3.6938



0.3746, 0.6465, 0.1050

Inverse Universe

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



29.4771, 24.4523, 43.7256



49.3362, 38.4093, 77.4503



30.9952, 25.3806, 37.2167



8.1459, 8.0495, 10.0771



12.5114, 5.8097, 29.5065



0.3930, 0.1848, 0.8229

Previews

White Background



This preview shows how the XYZ color 28.6127, 37.1088, 23.7438 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 28.6127, 37.1088, 23.7438 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 28.6127, 37.1088, 23.7438

Background



This preview shows how black text looks on a background with the XYZ color 28.6127, 37.1088, 23.7438.



This preview shows how white text looks on a background with the XYZ color 28.6127, 37.1088,

23.7438.

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

28.6127, 37.1088, 23.7438

Protanopia

34.1541, 36.6854, 21.8039

Deuteranopia

37.4969, 36.8011, 24.5291



Tritanopia

33.6608, 36.9029, 49.0649

Trichromacy



Original Color

28.6127, 37.1088, 23.7438

Protanomaly

31.7867, 36.5225, 22.5138

Deuteranomaly

33.7081, 36.6641, 24.3690

Tritanomaly

31.4480, 36.8281, 38.2519

Monochromacy



Original Color

28.6127, 37.1088, 23.7438

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.7039, 34.9541, 31.5141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6127, 37.1088, 23.7438 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(134, 175, 121)` looks like.

```
.text, #text, p{  
    color:rgb(134, 175, 121)  
}
```

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(134, 175, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 175, 121) }
```

Border

The CSS property to change the border of an element to XYZ 28.6127, 37.1088, 23.7438 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(134, 175, 121) }
```


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

```
.border{ border-color:rgb(134, 175, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 175, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 175, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 175, 121);  
box-shadow:4px 4px 4px 4px rgb(134, 175,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6127, 37.1088, 23.7438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 175, 121) }
```

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

```
.background{ background-color: rgb(134,  
175, 121) }
```

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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