

Converting Colors

XYZ(27.1686, 36.8857, 30.2357)

Have a look what the booklet for
XYZ(27.1686, 36.8857, 30.2357)
contains.

XYZ(27.0644, 36.7531, 30.0937)	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(27.0644, 36.7531,
30.0937)**

Conversions

Conversions Part 1

Format	Color
Hex	70B18B
RGB	112, 177, 139
RGB Percent	44%, 69%, 55%
CMY	0.5608, 0.3059, 0.4549
CMYK	0.37, 0.00, 0.21, 0.31
HSL	145°, 29%, 57%
HSV	145°, 37%, 69%
XYZ	27.0644, 36.7531, 30.0937
YIQ	153.2330, -26.5420, -25.5980

Conversions

Conversions Part 2

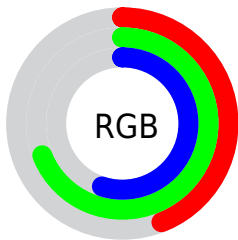
Format	Color
RYB	112, 158, 177
Decimal	7385483
CIELab	67.09, -29.21, 12.98
CIELCh	67, 31.963, 156.033
Yxy	36.7531, 0.2882, 0.3914
Android (android.graphics.Color)	4285575563 (0xFF70B18B)
YUV	153.2330, -7.0169, -36.1613
Hunter-Lab	60.6243, -26.4052, 13.0057

Details

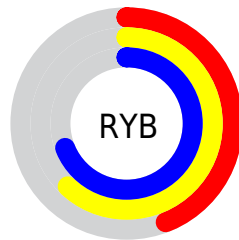
The XYZ color **27.0644, 36.7531, 30.0937** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **29.4318, 23.1382, 31.7704**, and the grayscale version is **30.4184, 32.0025, 34.8508**.

A 20% lighter version of the original color is **54.4904, 70.2351, 61.1369**, and **10.8743, 16.0972, 11.9851** is the 20% darker color. If you saturate the color by 10%, you get **24.3093, 35.4171, 26.2032**, and if you desaturate by 10%, it is **30.3358, 38.3490, 34.3836**.

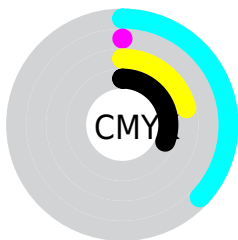
Distribution



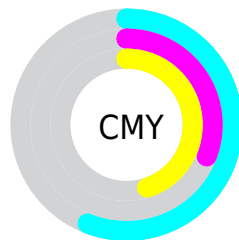
- Red (44%)
- Green (69%)
- Blue (55%)



- Red (44%)
- Yellow (62%)
- Blue (69%)



- Cyan (37%)
- Magenta (0%)
- Yellow (21%)
- Black (31%)



- Cyan (56%)
- Magenta (31%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0644, 36.7531, 30.0937 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 27.0644, 36.7531, 30.0937 by changing the saturation by 10% instead.

■ 27.0644, 36.7531,
30.0937

■ 27.0644, 36.7531,
30.0937

280.1307,
332.2403, 316.5619

■ 17.7584, 25.0164,
19.6571

■ 54.4063, 70.1929,
60.8731

■ 10.8753, 16.0893,
11.9644

■ 73.1730, 92.6648,
82.0529

■ 6.0497, 9.5873,
6.5972

■ 95.8240, 119.4838,
107.6509

■ 2.9163, 5.1262,
3.1369

■ 122.7246,
151.0344, 138.0855

■ 1.1097, 2.3215,
1.1650

154.2403,
187.7009, 173.7754

■ 0.0332, 0.7851,
0.0000

190.7362,

■ 0.0000, 0.0000,

229.8679, 215.1391

0.0000

232.5779,
277.9195, 262.5950

■ 27.0644, 36.7531,
30.0937

■ 27.0644, 36.7531,
30.0937

■ 24.3093, 35.4171,
26.2032

■ 30.3358, 38.3490,
34.3836

■ 22.0395, 34.3222,
22.6981

■ 34.1464, 40.2134,
39.0815

■ 20.2251, 33.4542,
19.5668


■ 38.5212, 42.3600,
44.1989


■ 18.8315, 32.7957,
16.7964


■ 43.4828, 44.8001,
49.7462


■ 17.8187, 32.3262,
14.3733


■ 49.0524, 47.5446,
55.7331

 17.1319, 32.0177,
12.2822

 55.2503, 50.6037,
62.1693

 16.9428, 31.9337,
11.6654

 62.0958, 53.9872,
69.0641

 69.6073, 57.7043,
76.4264

 71.5474, 58.5395,
83.9722

Harmonies

Analogous

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



29.7147, 36.7531, 22.0302



27.0644, 36.7531, 30.0937



26.4328, 36.7531, 42.8997

Triad

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



27.0644, 36.7531, 30.0937



35.9250, 36.7531, 73.0023



43.0550, 36.7531, 26.2388

Complementary

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



27.0644, 36.7531, 30.0937



29.4318, 23.1382, 31.7704

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.



45.0835, 36.7531, 37.2681



27.0644, 36.7531, 30.0937



40.7284, 36.7531, 65.8219

Square

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



27.0644, 36.7531, 30.0937



31.2696, 36.7531, 69.8231



44.1950, 36.7531, 51.9143



38.8713, 36.7531, 20.1928

Rectangle

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



27.0644, 36.7531, 30.0937



27.1848, 36.7531, 52.9625



44.1950, 36.7531, 51.9143



44.0284, 36.7531, 29.3756

Sweetspot

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



27.0654, 36.7546, 30.0945



65.3622, 74.0822, 74.9700



31.4105, 39.1951, 21.2395



13.9423, 15.9455, 15.9865



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.



27.0654, 36.7546, 30.0945



44.4381, 63.8652, 48.2461



29.7085, 37.8119, 44.0129



8.5305, 9.5467, 9.7872



12.3040, 23.1476, 8.6034



0.4165, 0.7401, 0.4253

Inverse Universe

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



29.4318, 23.1382, 31.7704



49.2893, 35.9264, 51.6628



27.2265, 22.2561, 20.1571



8.6977, 8.5858, 9.9066



14.9589, 7.5011, 10.2095



0.4989, 0.2473, 0.4699

Previews

White Background



This preview shows how the XYZ color 27.0644, 36.7531, 30.0937 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 27.0644, 36.7531, 30.0937 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

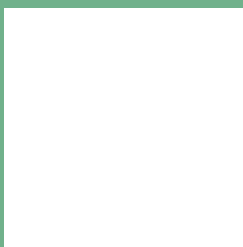
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.0644, 36.7531, 30.0937

Background



This preview shows how black text looks on a background with the XYZ color 27.0644, 36.7531, 30.0937.

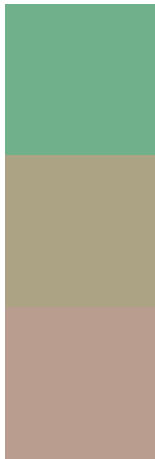


This preview shows how white text looks on a background with the XYZ color 27.0644, 36.7531,

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

27.0644, 36.7531, 30.0937

Protanopia

34.0984, 36.2773, 27.0348

Deuteranopia

37.0225, 36.4114, 31.0634



Tritanopia

31.3459, 36.7662, 51.3434

Trichromacy



Original Color

27.0644, 36.7531, 30.0937

Protanomaly

30.7696, 35.8707, 28.2237

Deuteranomaly

32.2585, 35.7730, 30.7959

Tritanomaly

29.4827, 36.5658, 42.5498

Monochromacy



Original Color

27.0644, 36.7531, 30.0937

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

28.7469, 33.3821, 32.9452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0644, 36.7531, 30.0937 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(112, 177, 139)` looks like.

```
.text, #text, p{  
    color:rgb(112, 177, 139)  
}
```

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(112, 177, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 177, 139) }
```

Border

The CSS property to change the border of an element to XYZ 27.0644, 36.7531, 30.0937 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(112, 177, 139) }
```


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

```
.border{ border-color:rgb(112, 177, 139) }
```

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

Here you see how a box with a 4 pixel rgb(112, 177, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 177, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 177, 139);  
box-shadow:4px 4px 4px 4px rgb(112, 177,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0644, 36.7531, 30.0937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 177, 139) }
```

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

```
.background{ background-color: rgb(112,  
177, 139) }
```

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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