

Converting Colors

XYZ(30.6888, 33.5022, 37.6506)

Have a look what the booklet for
XYZ(30.6888, 33.5022, 37.6506)
contains.

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Color

**XYZ(30.6888, 33.5025,
37.6501)**

Conversions

Conversions Part 1

Format	Color
Hex	939F9F
RGB	147, 159, 159
RGB Percent	58%, 62%, 62%
CMY	0.4235, 0.3765, 0.3765
CMYK	0.08, 0.00, 0.00, 0.38
HSL	180°, 6%, 60%
HSV	180°, 8%, 62%
XYZ	30.6888, 33.5025, 37.6501
YIQ	155.4120, -7.1520, -2.5440

Conversions

Conversions Part 2

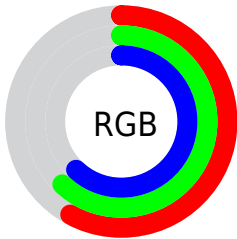
Format	Color
RYB	147, 153, 159
Decimal	9674655
CIELab	64.57, -4.25, -1.47
CIELCh	65, 4.496, 199.106
Yxy	33.5025, 0.3013, 0.3290
Android (android.graphics.Color)	4287864735 (0xFF939F9F)
YUV	155.4120, 1.7689, -7.3773
Hunter-Lab	57.8813, -6.6513, 1.9506

Details

The XYZ color **30.6888, 33.5025, 37.6501** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.9995, 30.3459, 31.8815**, and the grayscale version is **31.3337, 32.9655, 35.8995**.

A 20% lighter version of the original color is **60.2716, 65.3657, 73.0585**, and **12.8932, 14.2946, 16.2670** is the 20% darker color. If you saturate the color by 10%, you get **28.0324, 32.1340, 37.5251**, and if you desaturate by 10%, it is **33.7413, 35.0770, 37.7950**.

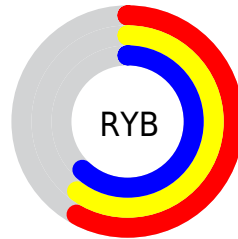
Distribution



Red (58%)

Green (62%)

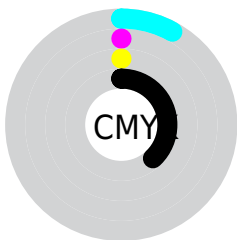
Blue (62%)



Red (58%)

Yellow (60%)

Blue (62%)

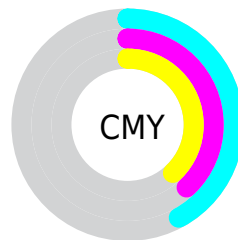


Cyan (8%)

Magenta (0%)

Yellow (0%)

Black (38%)



Cyan (42%)

Magenta (38%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6888, 33.5025, 37.6501 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 30.6888, 33.5025, 37.6501 by changing the saturation by 10% instead.

■ 30.6888, 33.5025,
37.6501

■ 30.6888, 33.5025,
37.6501

296.9546,
317.9080, 351.3697

■ 20.5127, 22.5117,
25.4115

■ 60.1290, 65.1593,
72.7690

■ 12.8787, 14.2333,
16.1621

■ 80.1237, 86.5940,
96.4863

■ 7.4215, 8.2831,
9.4833

104.1220,
112.2788, 124.8671

■ 3.7757, 4.2767,
4.9567

132.4892,
142.5981, 158.3297

■ 1.5760, 1.8295,
2.1636

165.5908,
177.9363, 197.2927

■ 0.3767, 0.5055,
0.6532

203.7919,

■ 0.0000, 0.0000,

218.6777, 242.1747

0.0000

247.4581,
265.2068, 293.3941

■ 30.6888, 33.5025,
37.6501

■ 30.6888, 33.5025,
37.6501

■ 28.0324, 32.1340,
37.5251

■ 33.7413, 35.0770,
37.7950

■ 25.7530, 30.9590,
37.4171

■ 37.2021, 36.8611,
37.9583

■ 23.8346, 29.9700,
37.3260

■ 41.0865, 38.8636,
38.1414

■ 22.2585, 29.1576,
37.2509

■ 45.4082, 41.0915,
38.3450

■ 21.0047, 28.5112,
37.1909

■ 50.1803, 43.5515,
38.5697

■ 20.0510, 28.0196,
37.1449

■ 55.4151, 46.2501,
38.8160

■ 19.3721, 27.6697,
37.1118

■ 59.8987, 48.5614,
39.0272

■ 18.9392, 27.4465,
37.0902

■ 59.8989, 48.5616,
39.0286

■ 18.7033, 27.3250,
37.0778

■ 59.8992, 48.5617,
39.0299

Harmonies

Analogous

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



30.6441, 33.5025, 35.8132



30.6888, 33.5025, 37.6501



31.0404, 33.5025, 39.2218

Triad

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



30.6888, 33.5025, 37.6501



32.7871, 33.5025, 38.8467



32.0774, 33.5025, 33.1100

Complementary

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



30.6888, 33.5025, 37.6501



29.9995, 30.3459, 31.8815

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.



32.6596, 33.5025, 33.8662



30.6888, 33.5025, 37.6501



33.0730, 33.5025, 37.1520

Square

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



30.6888, 33.5025, 37.6501



32.2496, 33.5025, 39.9286



33.0260, 33.5025, 35.3315



31.4401, 33.5025, 33.2332

Rectangle

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



30.6888, 33.5025, 37.6501



31.4041, 33.5025, 39.8884



33.0260, 33.5025, 35.3315



32.2862, 33.5025, 33.2687

Sweetspot

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



30.6898, 33.5039, 37.6508



57.8820, 61.5060, 67.5641



29.7341, 33.1258, 32.4312



13.0642, 13.8741, 15.2330



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



30.6898, 33.5039, 37.6508



54.1404, 59.5771, 67.3873



29.7156, 31.5553, 37.3271



6.8218, 7.5095, 8.4963



14.7332, 21.5612, 29.2819



0.2634, 0.3855, 0.5236

Inverse Universe

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



29.9995, 30.3459, 31.8815



52.6546, 52.7795, 54.9689



30.9243, 32.1958, 32.1889



6.6331, 6.6462, 6.9191



11.2932, 5.8219, 0.5293



0.2019, 0.1041, 0.0095

Previews

White Background



This preview shows how the XYZ color 30.6888, 33.5025, 37.6501 looks on a white background.

Color Contrast Check

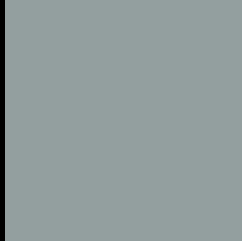
Large Text (above 18pt) WCAG AA × Fail

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 30.6888, 33.5025, 37.6501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

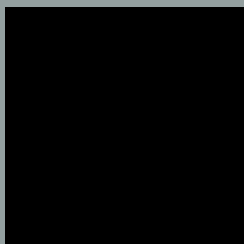
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

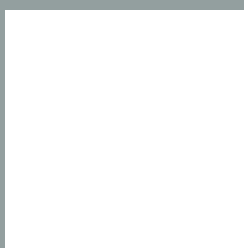
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6888, 33.5025, 37.6501

Background



This preview shows how black text looks on a background with the XYZ color 30.6888, 33.5025, 37.6501.

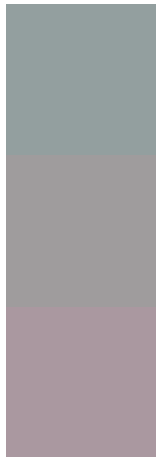


This preview shows how white text looks on a background with the XYZ color 30.6888, 33.5025,

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

30.6888, 33.5025, 37.6501

Protanopia

32.2723, 33.5822, 36.6794

Deuteranopia

34.1510, 33.5406, 37.9317



Tritanopia

31.7071, 33.4058, 42.8070

Trichromacy



Original Color

30.6888, 33.5025, 37.6501

Protanomaly

31.7461, 33.5511, 37.1506

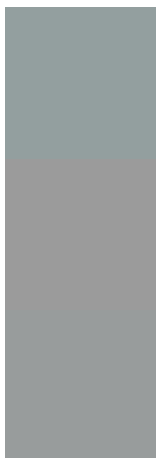
Deuteranomaly

32.9668, 33.6621, 38.0176

Tritanomaly

31.3225, 33.5028, 40.8922

Monochromacy



Original Color

30.6888, 33.5025, 37.6501

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.8381, 32.8526, 36.1683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6888, 33.5025, 37.6501 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(147, 159, 159)` looks like.

```
.text, #text, p{  
    color:rgb(147, 159, 159)  
}
```

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(147, 159, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 159, 159) }
```

Border

The CSS property to change the border of an element to XYZ 30.6888, 33.5025, 37.6501 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(147, 159, 159) }
```


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

```
.border{ border-color:rgb(147, 159, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 159, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 159, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 159, 159);  
box-shadow:4px 4px 4px 4px rgb(147, 159,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6888, 33.5025, 37.6501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 159, 159) }
```

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

```
.background{ background-color: rgb(147,  
159, 159) }
```

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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