

Converting Colors

XYZ(31.2861, 36.3547, 42.5462)

Have a look what the booklet for
XYZ(31.2861, 36.3547, 42.5462)
contains.

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Color

**XYZ(31.2475, 36.3540,
42.4159)**

Conversions

Conversions Part 1

Format	Color
Hex	87A9A8
RGB	135, 169, 168
RGB Percent	53%, 66%, 66%
CMY	0.4706, 0.3372, 0.3412
CMYK	0.20, 0.00, 0.01, 0.34
HSL	178°, 17%, 60%
HSV	178°, 20%, 66%
XYZ	31.2475, 36.3540, 42.4159
YIQ	158.7200, -19.9430, -7.5190

Conversions

Conversions Part 2

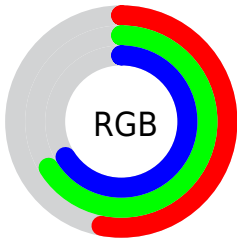
Format	Color
RYB	135, 152, 169
Decimal	8890792
CIELab	66.79, -11.76, -3.33
CIElCh	67, 12.225, 195.790
Yxy	36.3540, 0.2840, 0.3304
Android (android.graphics.Color)	4287080872 (0xFF87A9A8)
YUV	158.7200, 4.5750, -20.8024
Hunter-Lab	60.2943, -13.0074, 0.4966

Details

The XYZ color **31.2475, 36.3540, 42.4159** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.4714, 27.5415, 27.0567**, and the grayscale version is **32.8139, 34.5228, 37.5953**.

A 20% lighter version of the original color is **60.9612, 69.4578, 80.0057**, and **13.1698, 15.8684, 18.8918** is the 20% darker color. If you saturate the color by 10%, you get **28.6953, 35.0446, 42.0554**, and if you desaturate by 10%, it is **34.2337, 37.8890, 42.7992**.

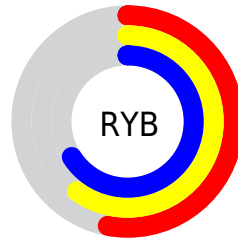
Distribution



Red (53%)

Green (66%)

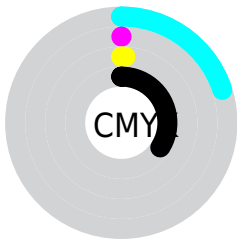
Blue (66%)



Red (53%)

Yellow (60%)

Blue (66%)

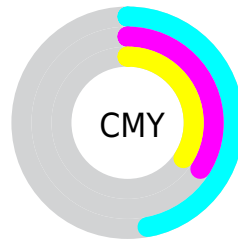


Cyan (20%)

Magenta (0%)

Yellow (1%)

Black (34%)



Cyan (47%)

Magenta (34%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2475, 36.3540, 42.4159 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 31.2475, 36.3540, 42.4159 by changing the saturation by 10% instead.

■ 31.2475, 36.3540,
42.4159

■ 31.2475, 36.3540,
42.4159

299.4835,
330.5052, 372.0545

■ 20.9401, 24.7077,
29.0991

■ 61.0027, 69.5781,
80.1056

■ 13.1925, 15.8594,
18.9096

■ 81.1813, 91.9247,
105.3155

■ 7.6391, 9.4247,
11.4288

■ 105.3810,
118.6069, 135.3269

■ 3.9148, 5.0192,
6.2382

133.9671,
150.0091, 170.5583

■ 1.6540, 2.2586,
2.9194

167.3051,
186.5156, 211.4282

■ 0.4272, 0.7516,
1.0536

205.7602,

■ 0.0000, 0.0000,

228.5108, 258.3551

0.0000

249.6979,
276.3792, 311.7578

■ 31.2475, 36.3540,
42.4159

■ 31.2475, 36.3540,
42.4159

■ 28.6953, 35.0446,
42.0554

■ 34.2337, 37.8890,
42.7992

■ 26.5535, 33.9458,
41.7142

■ 37.6696, 39.6549,
43.2037

■ 24.8013, 33.0478,
41.3922

■ 41.5742, 41.6624,
43.6311

■ 23.4146, 32.3382,
41.0882

■ 45.9644, 43.9202,
44.0821

■ 22.3669, 31.8034,
40.8010

■ 50.8561, 46.4365,
44.5576

■ 21.6278, 31.4276,
40.5292

■ 56.2647, 49.2192,
45.0581

■ 21.1618, 31.1926,
40.2711

■ 62.2048, 52.2760,
45.5845

■ 20.8914, 31.0584,
40.0259

■ 62.8738, 52.6153,
45.8651

■ 62.9217, 52.6345,
46.1176

Harmonies

Analogous

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



31.2238, 36.3540, 37.1388



31.2475, 36.3540, 42.4159



32.1358, 36.3540, 47.3303

Triad

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



31.2475, 36.3540, 42.4159



37.1619, 36.3540, 47.1072



35.4325, 36.3540, 30.5198

Complementary

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



31.2475, 36.3540, 42.4159



29.4714, 27.5415, 27.0567

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.



37.0893, 36.3540, 32.7315



31.2475, 36.3540, 42.4159



38.1116, 36.3540, 42.1328

Square

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



31.2475, 36.3540, 42.4159



35.5288, 36.3540, 50.1990



38.0846, 36.3540, 36.8798



33.5960, 36.3540, 30.5809

Rectangle

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



31.2475, 36.3540, 42.4159



33.1174, 36.3540, 49.6030



38.0846, 36.3540, 36.8798



36.0303, 36.3540, 31.0129

Sweetspot

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



31.2486, 36.3555, 42.4167



63.6775, 69.0717, 76.9332



28.7372, 35.3721, 28.2351



13.7980, 15.0130, 16.7585



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.2486, 36.3555, 42.4167



53.8981, 64.0479, 75.6789



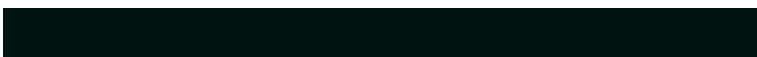
28.5672, 30.8427, 41.9855



7.7379, 8.5282, 9.6057



15.5732, 23.1480, 29.8488



0.3818, 0.5643, 0.7413

Inverse Universe

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



29.4714, 27.5415, 27.0567



50.1501, 45.4579, 43.2842



31.7818, 32.2759, 27.4770



7.5397, 7.5458, 7.8935



12.2185, 6.2961, 0.6965



0.3000, 0.1543, 0.0312

Previews

White Background



This preview shows how the XYZ color 31.2475, 36.3540, 42.4159 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 31.2475, 36.3540, 42.4159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

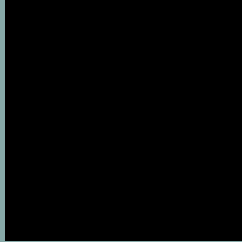
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2475, 36.3540, 42.4159

Background



This preview shows how black text looks on a background with the XYZ color 31.2475, 36.3540, 42.4159.

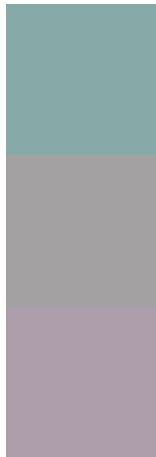


This preview shows how white text looks on a background with the XYZ color 31.2475, 36.3540,

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

31.2475, 36.3540, 42.4159

Protanopia

34.6656, 36.0266, 39.7771

Deuteranopia

36.7682, 36.0149, 43.0439



Tritanopia

32.3735, 36.2511, 48.4709

Trichromacy



Original Color

31.2475, 36.3540, 42.4159

Protanomaly

33.2039, 36.0398, 40.8037

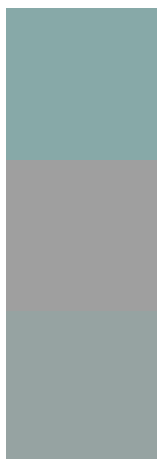
Deuteranomaly

34.4035, 35.8279, 42.6383

Tritanomaly

31.9924, 36.3741, 46.4090

Monochromacy



Original Color

31.2475, 36.3540, 42.4159

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.1965, 35.2871, 39.2966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2475, 36.3540, 42.4159 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(135, 169, 168)` looks like.

```
.text, #text, p{  
    color:rgb(135, 169, 168)  
}
```

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(135, 169, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 169, 168) }
```

Border

The CSS property to change the border of an element to XYZ 31.2475, 36.3540, 42.4159 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(135, 169, 168) }
```


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

```
.border{ border-color:rgb(135, 169, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 169, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 169, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 169, 168);  
box-shadow:4px 4px 4px 4px rgb(135, 169,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2475, 36.3540, 42.4159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 169, 168) }
```

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

```
.background{ background-color: rgb(135,  
169, 168) }
```

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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