

Converting Colors

XYZ(34.3102, 42.7201, 42.6549)

Have a look what the booklet for
XYZ(34.3102, 42.7201, 42.6549)
contains.

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Color

**XYZ(34.2236, 42.6020,
42.4956)**

Conversions

Conversions Part 1

Format	Color
Hex	87B9A6
RGB	135, 185, 166
RGB Percent	53%, 73%, 65%
CMY	0.4706, 0.2745, 0.3490
CMYK	0.27, 0.00, 0.10, 0.27
HSL	157°, 26%, 63%
HSV	157°, 27%, 73%
XYZ	34.2236, 42.6020, 42.4956
YIQ	167.8840, -23.7010, -16.5090

Conversions

Conversions Part 2

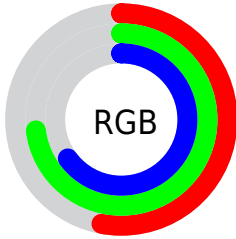
Format	Color
R_{YB}	135, 166, 185
Decimal	8894886
CIE _{Lab}	71.28, -20.51, 4.33
CIE _{LCh}	71, 20.964, 168.077
Yxy	42.6020, 0.2868, 0.3570
Android (android.graphics.Color)	4287084966 (0xFF87B9A6)
YUV	167.8840, -0.9288, -28.8393
Hunter-Lab	65.2702, -20.6287, 7.0871

Details

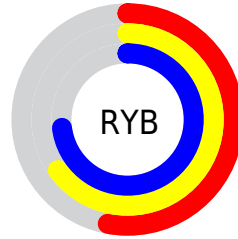
The XYZ color **34.2236, 42.6020, 42.4956** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.5058, 29.9765, 34.5411**, and the grayscale version is **37.1763, 39.1123, 42.5933**.

A 20% lighter version of the original color is **65.4927, 78.9499, 80.1936**, and **14.9447, 19.6023, 18.9155** is the 20% darker color. If you saturate the color by 10%, you get **30.8745, 40.9491, 39.0642**, and if you desaturate by 10%, it is **38.1276, 44.5391, 46.1388**.

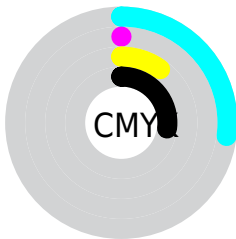
Distribution



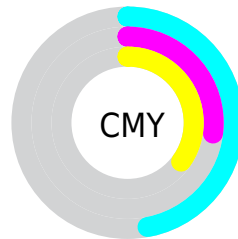
- Red (53%)
- Green (73%)
- Blue (65%)



- Red (53%)
- Yellow (65%)
- Blue (73%)



- Cyan (27%)
- Magenta (0%)
- Yellow (10%)
- Black (27%)





- Cyan (47%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2236, 42.6020, 42.4956 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 34.2236, 42.6020, 42.4956 by changing the saturation by 10% instead.


 34.2236, 42.6020,
42.4956


 34.2236, 42.6020,
42.4956


312.6963,
356.9724, 372.3934


 23.2291, 29.5730,
29.1611


 65.6232, 79.1099,
80.2273

 14.8844, 19.5147,
18.9561


 86.7591, 103.3576,
105.4616

 8.8241, 12.0428,
11.4621


 112.0061,
132.1136, 135.4996

 4.6828, 6.7728,
6.2605

141.7297,
165.7623, 170.7597

 2.0952, 3.3204,
2.9328

176.2951,
204.6882, 211.6607

 0.6866, 1.3012,
1.0604

216.0678,

 0.0000, 0.1421,

249.2756, 258.6209

0.0000

261.4131,
299.9088, 312.0589

■ 0.0000, 0.0000,
0.0000

■ 34.2236, 42.6020,
42.4956

■ 34.2236, 42.6020,
42.4956

■ 30.8745, 40.9491,
39.0642

■ 38.1276, 44.5391,
46.1388

■ 28.0494, 39.5612,
35.8377

■ 42.6082, 46.7683,
49.9951

■ 25.7198, 38.4248,
32.8125

■ 47.6905, 49.3034,
54.0692

■ 23.8529, 37.5230,
29.9841

■ 53.3968, 52.1559,
58.3650

■ 22.4116, 36.8369,
27.3476

■ 59.7483, 55.3368,
62.8861

■ 21.3529, 36.3443,
24.8978

■ 66.7653, 58.8563,
67.6360

■ 20.6169, 36.0143,
22.6286

■ 70.8833, 60.8769,
72.4505

■ 20.4268, 35.9303,
21.9867

■ 71.8078, 61.2467,
77.3184

■ 72.7715, 61.6322,
82.3933

Harmonies

Analogous

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



35.6615, 42.6020, 34.6024



34.2236, 42.6020, 42.4956



34.3920, 42.6020, 52.6654

Triad

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



34.2236, 42.6020, 42.4956



42.6288, 42.6020, 67.3632



45.1848, 42.6020, 33.4060

Complementary

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



34.2236, 42.6020, 42.4956



34.5058, 29.9765, 34.5411

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.



47.2735, 42.6020, 40.6273



34.2236, 42.6020, 42.4956



45.7400, 42.6020, 60.5812

Square

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



34.2236, 42.6020, 42.4956



39.1096, 42.6020, 68.0563



47.4824, 42.6020, 50.5076



41.9065, 42.6020, 29.8868

Rectangle

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



34.2236, 42.6020, 42.4956



35.3939, 42.6020, 59.3984



47.4824, 42.6020, 50.5076



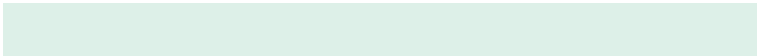
46.0574, 42.6020, 35.4285

Sweetspot

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



34.2248, 42.6038, 42.4966



75.3701, 83.2909, 88.7558



35.0817, 43.3354, 29.4380



15.9779, 17.8212, 18.9066



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



34.2248, 42.6038, 42.4966



57.8768, 74.6104, 72.6834



34.9036, 40.9625, 51.9679



9.1181, 10.1512, 10.7791



13.9445, 24.4788, 15.1617



0.5207, 0.8746, 0.6878

Inverse Universe

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



34.5058, 29.9765, 34.5411



58.4605, 48.4780, 56.2301



33.8824, 31.0654, 27.1328



9.1420, 9.0672, 10.0954



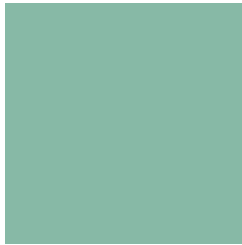
14.4158, 7.3401, 4.8102



0.5387, 0.2710, 0.3303

Previews

White Background



This preview shows how the XYZ color 34.2236, 42.6020, 42.4956 looks on a white background.

Color Contrast Check

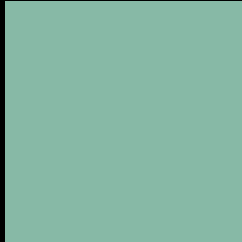
Large Text (above 18pt) WCAG AA × Fail

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 34.2236, 42.6020, 42.4956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

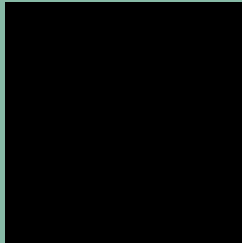
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.2236, 42.6020, 42.4956

Background



This preview shows how black text looks on a background with the XYZ color 34.2236, 42.6020, 42.4956.



This preview shows how white text looks on a background with the XYZ color 34.2236, 42.6020,

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

34.2236, 42.6020, 42.4956

Protanopia

40.1111, 42.1285, 39.2752

Deuteranopia

42.9023, 42.0763, 43.3965



Tritanopia

37.3587, 42.6506, 57.8931

Trichromacy



Original Color

34.2236, 42.6020, 42.4956

Protanomaly

37.5536, 41.9454, 40.2994

Deuteranomaly

38.9985, 41.7572, 43.0503

Tritanomaly

36.0271, 42.4056, 51.6337

Monochromacy



Original Color

34.2236, 42.6020, 42.4956

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.8214, 40.1300, 42.4171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2236, 42.6020, 42.4956 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, 185, 166)` looks like.

```
.text, #text, p{  
    color:rgb(135, 185, 166)  
}
```

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, 185, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 185, 166) }
```

Border

The CSS property to change the border of an element to XYZ 34.2236, 42.6020, 42.4956 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, 185, 166) }
```


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

```
.border{ border-color:rgb(135, 185, 166) }
```

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

Here you see how a box with a 4 pixel rgb(135, 185, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 185, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 185, 166);  
box-shadow:4px 4px 4px 4px rgb(135, 185,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2236, 42.6020, 42.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 185, 166) }
```

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

```
.background{ background-color: rgb(135,  
185, 166) }
```

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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