

Converting Colors

XYZ(34.7501, 42.3277, 45.2741)

Have a look what the booklet for
XYZ(34.7501, 42.3277, 45.2741)
contains.

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Color

**XYZ(34.6964, 42.1639,
45.3395)**

Conversions

Conversions Part 1

Format	Color
Hex	89B7AC
RGB	137, 183, 172
RGB Percent	54%, 72%, 67%
CMY	0.4627, 0.2823, 0.3255
CMYK	0.25, 0.00, 0.06, 0.28
HSL	166°, 24%, 63%
HSV	166°, 25%, 72%
XYZ	34.6964, 42.1639, 45.3395
YIQ	167.9920, -23.8850, -13.1730

Conversions

Conversions Part 2

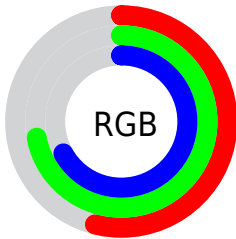
Format	Color
R_{YB}	137, 163, 183
Decimal	9025452
CIE _{Lab}	70.98, -17.59, 0.62
CIE _{LCh}	71, 17.598, 177.971
Yxy	42.1639, 0.2839, 0.3450
Android (android.graphics.Color)	4287215532 (0xFF89B7AC)
YUV	167.9920, 1.9759, -27.1800
Hunter-Lab	64.9337, -18.2552, 4.0548

Details

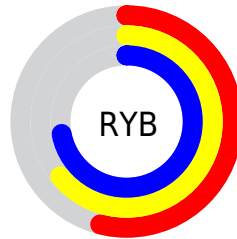
The XYZ color **34.6964, 42.1639, 45.3395** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.8209, 30.0978, 32.0456**, and the grayscale version is **37.2155, 39.1536, 42.6382**.

A 20% lighter version of the original color is **66.2175, 78.3554, 84.3071**, and **15.2105, 19.2998, 20.6928** is the 20% darker color. If you saturate the color by 10%, you get **31.5340, 40.5825, 43.0338**, and if you desaturate by 10%, it is **38.3839, 44.0166, 47.7438**.

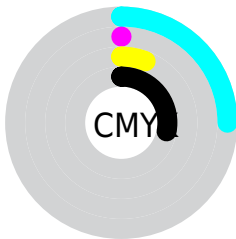
Distribution



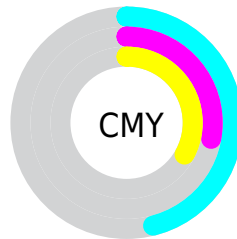
- Red (54%)
- Green (72%)
- Blue (67%)



- Red (54%)
- Yellow (64%)
- Blue (72%)



- Cyan (25%)
- Magenta (0%)
- Yellow (6%)
- Black (28%)



- Cyan (46%)
- Magenta (28%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6964, 42.1639, 45.3395 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 34.6964, 42.1639, 45.3395 by changing the saturation by 10% instead.

■ 34.6964, 42.1639,
45.3395

■ 34.6964, 42.1639,
45.3395

314.7578,
355.1619, 384.3470

■ 23.5945, 29.2297,
31.3800

■ 66.3523, 78.4476,
84.5535

■ 15.1562, 19.2546,
20.6275

■ 87.6370, 102.5659,
110.6451

■ 9.0161, 11.8544,
12.6634

■ 113.0468,
131.1809, 141.6178

■ 4.8089, 6.6446,
7.0692

142.9468,
164.6772, 177.8901

■ 2.1692, 3.2409,
3.4263

177.7026,
203.4390, 219.8807

■ 0.7264, 1.2587,
1.3162

217.6795,

■ 0.0000, 0.1089,

247.8508, 268.0080

0.0750

263.2427,
298.2970, 322.6906

■ 0.0000, 0.0000,
0.0000

■ 34.6964, 42.1639,
45.3395

■ 34.6964, 42.1639,
45.3395

■ 31.5340, 40.5825,
43.0338

■ 38.3839, 44.0166,
47.7438

■ 28.8673, 39.2540,
40.8221

■ 42.6168, 46.1477,
50.2458

■ 26.6695, 38.1656,
38.7031

■ 47.4188, 48.5707,
52.8479

■ 24.9096, 37.3014,
36.6749

■ 52.8112, 51.2963,
55.5520

■ 23.5530, 36.6436,
34.7351

■ 58.8140, 54.3349,
58.3597

■ 22.5596, 36.1715,
32.8810

■ 65.4463, 57.6964,
61.2723

■ 21.8804, 35.8598,
31.1096

■ 68.9109, 59.4231,
64.1129

■ 21.6116, 35.7395,
30.2754

■ 69.4388, 59.6343,
66.8929

■ 69.9815, 59.8514,
69.7511

Harmonies

Analogous

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



35.4793, 42.1639, 37.8605



34.6964, 42.1639, 45.3395



35.2954, 42.1639, 53.9142

Triad

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



34.6964, 42.1639, 45.3395



42.7810, 42.1639, 61.7131



43.1434, 42.1639, 33.5259

Complementary

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



34.6964, 42.1639, 45.3395



33.8209, 30.0978, 32.0456

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.



45.2688, 42.1639, 38.7388



34.6964, 42.1639, 45.3395



45.0525, 42.1639, 55.0249

Square

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



34.6964, 42.1639, 45.3395



39.8761, 42.1639, 64.0285



45.9837, 42.1639, 46.4839



40.2756, 42.1639, 31.5781

Rectangle

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



34.6964, 42.1639, 45.3395



36.4149, 42.1639, 58.9908



45.9837, 42.1639, 46.4839



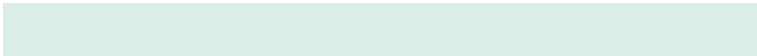
43.9736, 42.1639, 34.9206

Sweetspot

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



34.6976, 42.1656, 45.3405



73.9470, 81.4492, 88.6247



33.7535, 42.0175, 29.9988



16.0763, 17.8605, 19.4247



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.



34.6976, 42.1656, 45.3405



58.9906, 73.9372, 78.9656



33.5226, 38.0539, 50.3801



9.1723, 10.1729, 11.0649



15.1038, 24.9425, 21.2662



0.5550, 0.8883, 0.8684

Inverse Universe

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



33.8209, 30.0978, 32.0456



57.1617, 48.7244, 51.2031



34.7137, 33.2117, 28.2485



9.0903, 9.0465, 9.8230



13.9605, 7.1580, 2.4128



0.5170, 0.2623, 0.2160

Previews

White Background



This preview shows how the XYZ color 34.6964, 42.1639, 45.3395 looks on a white background.

Color Contrast Check

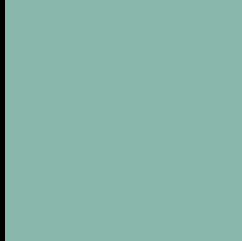
Large Text (above 18pt) WCAG AA × Fail

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 34.6964, 42.1639, 45.3395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

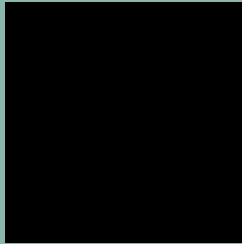
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

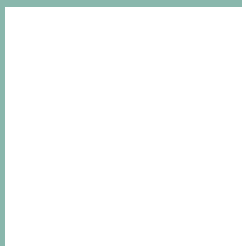
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6964, 42.1639, 45.3395

Background



This preview shows how black text looks on a background with the XYZ color 34.6964, 42.1639, 45.3395.

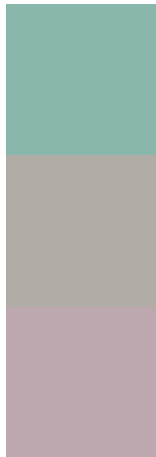


This preview shows how white text looks on a background with the XYZ color 34.6964, 42.1639,

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

34.6964, 42.1639, 45.3395

Protanopia

39.9956, 41.7232, 42.0218

Deuteranopia

42.7268, 41.9192, 46.3967



Tritanopia

37.2142, 42.2883, 57.2400

Trichromacy



Original Color

34.6964, 42.1639, 45.3395

Protanomaly

37.6975, 41.6644, 43.1009

Deuteranomaly

39.1611, 41.4892, 45.9886

Tritanomaly

36.2020, 42.1684, 52.6856

Monochromacy



Original Color

34.6964, 42.1639, 45.3395

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.0096, 39.9198, 43.3435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6964, 42.1639, 45.3395 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(137, 183, 172)` looks like.

```
.text, #text, p{  
    color:rgb(137, 183, 172)  
}
```

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(137, 183, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 183, 172) }
```

Border

The CSS property to change the border of an element to XYZ 34.6964, 42.1639, 45.3395 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(137, 183, 172) }
```


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

```
.border{ border-color:rgb(137, 183, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 183, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 183, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 183, 172);  
box-shadow:4px 4px 4px 4px rgb(137, 183,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6964, 42.1639, 45.3395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 183, 172) }
```

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

```
.background{ background-color: rgb(137,  
183, 172) }
```

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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