

Converting Colors

XYZ(34.1820, 42.7760, 45.4476)

Have a look what the booklet for
XYZ(34.1820, 42.7760, 45.4476)
contains.

XYZ(34.2112, 42.8422, 45.4960)	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(34.2112, 42.8422,
45.4960)**

Conversions

Conversions Part 1

Format	Color
Hex	82BAAC
RGB	130, 186, 172
RGB Percent	51%, 73%, 67%
CMY	0.4902, 0.2706, 0.3255
CMYK	0.30, 0.00, 0.08, 0.27
HSL	165°, 29%, 62%
HSV	165°, 30%, 73%
XYZ	34.2112, 42.8422, 45.4960
YIQ	167.6600, -28.8820, -16.2260

Conversions

Conversions Part 2

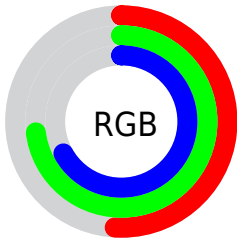
Format	Color
R _Y B	130, 162, 186
Decimal	8567468
CIE Lab	71.45, -21.26, 1.25
CIE LCh	71, 21.297, 176.632
Yxy	42.8422, 0.2792, 0.3496
Android (android.graphics.Color)	4286757548 (0xFF82BAAC)
YUV	167.6600, 2.1396, -33.0278
Hunter-Lab	65.4540, -21.2468, 4.6062

Details

The XYZ color **34.2112, 42.8422, 45.4960** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.2678, 28.4191, 30.1192**, and the grayscale version is **37.0537, 38.9834, 42.4529**.

A 20% lighter version of the original color is **65.3844, 79.2407, 84.5219**, and **14.9196, 19.7508, 20.7952** is the 20% darker color. If you saturate the color by 10%, you get **31.1734, 41.3280, 43.0635**, and if you desaturate by 10%, it is **37.7828, 44.6320, 48.0369**.

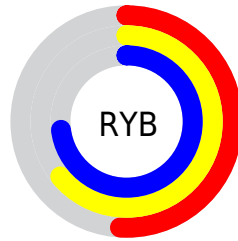
Distribution



Red (51%)

Green (73%)

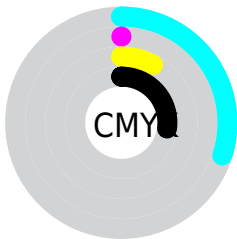
Blue (67%)



Red (51%)

Yellow (64%)

Blue (73%)

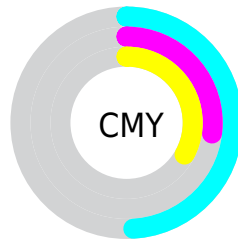


Cyan (30%)

Magenta (0%)

Yellow (8%)

Black (27%)



Cyan (49%)


Magenta (27%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2112, 42.8422, 45.4960 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 34.2112, 42.8422, 45.4960 by changing the saturation by 10% instead.


 34.2112, 42.8422,
45.4960


 34.2112, 42.8422,
45.4960


312.6421,
357.9624, 384.9972


 23.2196, 29.7613,
31.5025

 65.6041, 79.4727,
84.7905

 14.8773, 19.6575,
20.7201


 86.7360, 103.7911,
110.9286

 8.8191, 12.1463,
12.7303


 111.9788,
132.6241, 141.9520

 4.6795, 6.8434,
7.1146

141.6977,
166.3561, 178.2793

 2.0933, 3.3644,
3.4543

176.2581,
205.3716, 220.3289

 0.6856, 1.3248,
1.3310

216.0254,

 0.0000, 0.1603,

250.0549, 268.5194

0.0870

261.3650,
300.7903, 323.2693

■ 0.0000, 0.0000,
0.0000

■ 34.2112, 42.8422,
45.4960

■ 34.2112, 42.8422,
45.4960

■ 31.1734, 41.3280,
43.0635

■ 37.7828, 44.6320,
48.0369

■ 28.6378, 40.0698,
40.7345

■ 41.9105, 46.7056,
50.6853

■ 26.5750, 39.0535,
38.5075

■ 46.6195, 49.0770,
53.4441

■ 24.9511, 38.2617,
36.3801

■ 51.9327, 51.7580,
56.3153

■ 23.7273, 37.6746,
34.3498

■ 57.8714, 54.7596,
59.3005

■ 22.8582, 37.2684,
32.4134

■ 64.4561, 58.0923,
62.4014

■ 22.2563, 36.9980,
30.5852

■ 69.7656, 60.7657,
65.5291

■ 70.3339, 60.9931,
68.5218

■ 70.9191, 61.2271,
71.6032

Harmonies

Analogous

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



35.2235, 42.8422, 36.5981



34.2112, 42.8422, 45.4960



34.8566, 42.8422, 56.0816

Triad

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



34.2112, 42.8422, 45.4960



43.8932, 42.8422, 66.6434



44.6358, 42.8422, 32.0099

Complementary

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



34.2112, 42.8422, 45.4960



33.2678, 28.4191, 30.1192

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.



47.2071, 42.8422, 38.3362



34.2112, 42.8422, 45.4960



46.7610, 42.8422, 58.3871

Square

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



34.2112, 42.8422, 45.4960



40.3160, 42.8422, 69.2948



48.0065, 42.8422, 47.8190



41.1271, 42.8422, 29.5662

Rectangle

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



34.2112, 42.8422, 45.4960



36.1620, 42.8422, 62.5441



48.0065, 42.8422, 47.8190



45.6462, 42.8422, 33.7028

Sweetspot

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



34.2124, 42.8439, 45.4970



76.7341, 85.0414, 92.3370



33.2548, 42.7450, 27.6176



16.6393, 18.5974, 20.1760



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



34.2124, 42.8439, 45.4970



58.3291, 75.8166, 79.5792



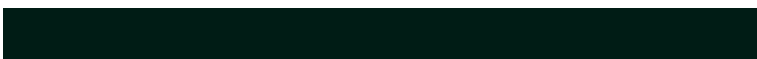
33.0009, 38.1541, 52.0816



9.1681, 10.1712, 11.0427



15.0039, 24.9025, 20.7401



0.5521, 0.8872, 0.8534

Inverse Universe

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



33.2678, 28.4191, 30.1192



56.3522, 45.5457, 47.3353



34.1128, 31.7169, 25.4438



9.0943, 9.0481, 9.8438



13.9878, 7.1689, 2.5566



0.5187, 0.2630, 0.2248

Previews

White Background



This preview shows how the XYZ color 34.2112, 42.8422, 45.4960 looks on a white background.

Color Contrast Check

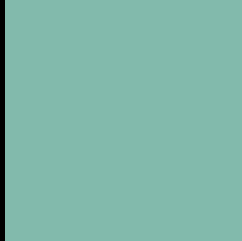
Large Text (above 18pt) WCAG AA × Fail

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 34.2112, 42.8422, 45.4960 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 34.2112, 42.8422, 45.4960

Background



This preview shows how black text looks on a background with the XYZ color 34.2112, 42.8422, 45.4960.



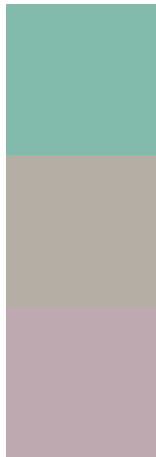
This preview shows how white text looks on a background with the XYZ color 34.2112, 42.8422,

45.4960.

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

34.2112, 42.8422, 45.4960

Protanopia

40.7500, 42.6920, 41.6899

Deuteranopia

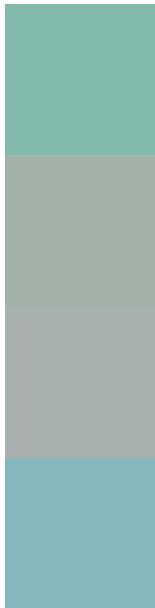
43.2596, 42.4577, 46.9894



Tritanopia

36.7977, 42.6380, 59.1138

Trichromacy



Original Color

34.2112, 42.8422, 45.4960

Protanomaly

37.8886, 42.3493, 43.2231

Deuteranomaly

39.2163, 42.0799, 46.6128

Tritanomaly

35.6835, 42.4844, 53.8965

Monochromacy



Original Color

34.2112, 42.8422, 45.4960

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.8178, 40.3945, 43.4452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2112, 42.8422, 45.4960 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(130, 186, 172)` looks like.

```
.text, #text, p{  
    color:rgb(130, 186, 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(130, 186, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 186, 172) }
```

Border

The CSS property to change the border of an element to XYZ 34.2112, 42.8422, 45.4960 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(130, 186, 172) }
```


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

```
.border{ border-color:rgb(130, 186, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 186, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 186, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 186, 172);  
box-shadow:4px 4px 4px 4px rgb(130, 186,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2112, 42.8422, 45.4960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 186, 172) }
```

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

```
.background{ background-color: rgb(130,  
186, 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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