

Converting Colors

XYZ(35.3238, 42.1875, 50.7982)

Have a look what the booklet for
XYZ(35.3238, 42.1875, 50.7982)
contains.

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Color

**XYZ(35.1631, 41.9842,
50.5064)**

Conversions

Conversions Part 1

Format	Color
Hex	87B6B6
RGB	135, 182, 182
RGB Percent	53%, 71%, 71%
CMY	0.4706, 0.2863, 0.2863
CMYK	0.26, 0.00, 0.00, 0.29
HSL	180°, 24%, 62%
HSV	180°, 26%, 71%
XYZ	35.1631, 41.9842, 50.5064
YIQ	167.9470, -28.0120, -9.9640

Conversions

Conversions Part 2

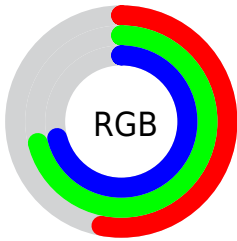
Format	Color
R_{YB}	135, 159, 182
Decimal	8894134
CIE _{Lab}	70.86, -15.46, -5.06
CIE _{LCh}	71, 16.266, 198.127
Yxy	41.9842, 0.2755, 0.3289
Android (android.graphics.Color)	4287084214 (0xFF87B6B6)
YUV	167.9470, 6.9281, -28.8945
Hunter-Lab	64.7952, -16.5232, -0.8586

Details

The XYZ color **35.1631, 41.9842, 50.5064** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.3300, 29.0235, 26.8215**, and the grayscale version is **37.1713, 39.1071, 42.5877**.

A 20% lighter version of the original color is **66.9934, 78.1409, 92.4407**, and **15.3800, 19.1245, 23.6497** is the 20% darker color. If you saturate the color by 10%, you get **32.4817, 40.6030, 50.3813**, and if you desaturate by 10%, it is **38.3475, 43.6269, 50.6568**.

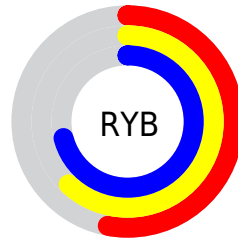
Distribution



Red (53%)

Green (71%)

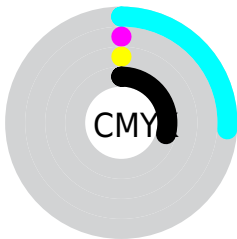
Blue (71%)



Red (53%)

Yellow (62%)

Blue (71%)

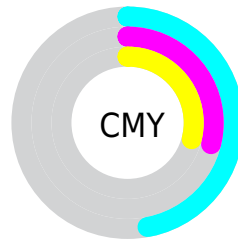


Cyan (26%)

Magenta (0%)

Yellow (0%)

Black (29%)



Cyan (47%)

Magenta (29%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1631, 41.9842, 50.5064 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 35.1631, 41.9842, 50.5064 by changing the saturation by 10% instead.

■ 35.1631, 41.9842,
50.5064

■ 35.1631, 41.9842,
50.5064

316.7831,
354.4174, 405.4346

■ 23.9556, 29.0889,
35.4419

■ 67.0707, 78.1757,
92.3287

■ 15.4253, 19.1481,
23.7172

■ 88.5016, 102.2407,
119.9237

■ 9.2067, 11.7773,
14.9137

■ 114.0710,
130.7978, 152.5326

■ 4.9344, 6.5922,
8.6129

144.1442,
164.2313, 190.5739

■ 2.2432, 3.2084,
4.3962

179.0867,
202.9256, 234.4663

■ 0.7654, 1.2415,
1.8451

219.2638,

■ 0.0000, 0.0952,

247.2651, 284.6281

0.4575

265.0408,
297.6343, 341.4781

■ 0.0000, 0.0000,
0.0000

■ 35.1631, 41.9842,
50.5064

■ 35.1631, 41.9842,
50.5064

■ 32.4817, 40.6030,
50.3813

■ 38.3475, 43.6269,
50.6568

■ 30.2743, 39.4650,
50.2775

■ 42.0550, 45.5381,
50.8308

■ 28.5143, 38.5577,
50.1946

■ 46.3088, 47.7311,
51.0304

■ 27.1711, 37.8653,
50.1313

■ 51.1299, 50.2164,
51.2565

■ 26.2105, 37.3701,
50.0858

■ 56.5381, 53.0044,
51.5101

■ 25.5926, 37.0516,
50.0564

■ 62.5520, 56.1047,
51.7921

■ 25.2668, 36.8836,
50.0406

■ 66.4130, 58.0951,
51.9733

■ 25.1716, 36.8345,
50.0360

■ 66.4131, 58.0951,
51.9738

■ 66.4132, 58.0952,
51.9743

Harmonies

Analogous

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



35.0283, 41.9842, 42.7171



35.1631, 41.9842, 50.5064



36.5328, 41.9842, 57.7264

Triad

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



35.1631, 41.9842, 50.5064



43.9042, 41.9842, 56.3942



40.9844, 41.9842, 32.6314

Complementary

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



35.1631, 41.9842, 50.5064



32.3300, 29.0235, 26.8215

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.



43.4780, 41.9842, 35.4950



35.1631, 41.9842, 50.5064



45.2140, 41.9842, 48.8472

Square

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



35.1631, 41.9842, 50.5064



41.5449, 41.9842, 61.3813



45.0545, 41.9842, 41.2341



38.3083, 41.9842, 32.9685

Rectangle

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



35.1631, 41.9842, 50.5064



37.9983, 41.9842, 60.9769



45.0545, 41.9842, 41.2341



41.8739, 41.9842, 33.2370

Sweetspot

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



35.1643, 41.9859, 50.5074



74.6022, 81.7113, 92.0749



31.2205, 40.4230, 29.0794



16.2474, 17.9290, 20.3257



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.



35.1643, 41.9859, 50.5074



60.8694, 74.6318, 91.4301



30.8833, 33.4235, 49.0816



9.2667, 10.2107, 11.5618



17.7751, 26.0110, 35.3333



0.6266, 0.9170, 1.2456

Inverse Universe

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



32.3300, 29.0235, 26.8215



54.8532, 47.1175, 41.1540



35.8446, 36.0530, 27.9922



9.0047, 9.0122, 9.3719



13.6234, 7.0231, 0.6378



0.4803, 0.2476, 0.0225

Previews

White Background



This preview shows how the XYZ color 35.1631, 41.9842, 50.5064 looks on a white background.

Color Contrast Check

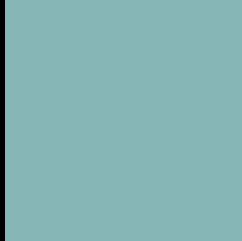
Large Text (above 18pt) WCAG AA × Fail

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 35.1631, 41.9842, 50.5064 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 35.1631, 41.9842, 50.5064

Background



This preview shows how black text looks on a background with the XYZ color 35.1631, 41.9842, 50.5064.

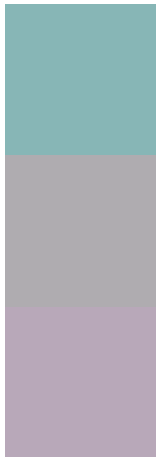


This preview shows how white text looks on a background with the XYZ color 35.1631, 41.9842,

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

35.1631, 41.9842, 50.5064

Protanopia

40.2682, 41.7536, 47.0112

Deuteranopia

42.5268, 41.6984, 51.7061



Tritanopia

36.5401, 41.9408, 57.2085

Trichromacy



Original Color

35.1631, 41.9842, 50.5064

Protanomaly

38.0584, 41.7386, 48.1699

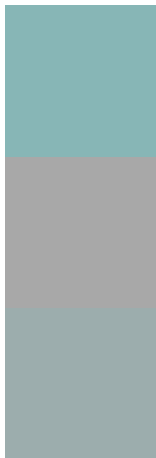
Deuteranomaly

39.3212, 41.4548, 51.2765

Tritanomaly

36.1347, 42.0838, 54.9337

Monochromacy



Original Color

35.1631, 41.9842, 50.5064

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.1967, 39.9722, 45.3428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1631, 41.9842, 50.5064 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, 182, 182)` looks like.

```
.text, #text, p{  
    color:rgb(135, 182, 182)  
}
```

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, 182, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 182, 182) }
```

Border

The CSS property to change the border of an element to XYZ 35.1631, 41.9842, 50.5064 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, 182, 182) }
```


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

```
.border{ border-color:rgb(135, 182, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 182, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 182, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 182, 182);  
box-shadow:4px 4px 4px 4px rgb(135, 182,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1631, 41.9842, 50.5064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 182, 182) }
```

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

```
.background{ background-color: rgb(135,  
182, 182) }
```

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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