

Converting Colors

XYZ(35.6496, 44.1670, 47.7219)

Have a look what the booklet for
XYZ(35.6496, 44.1670, 47.7219)
contains.

XYZ(35.6512, 44.1694, 47.7208)	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(35.6512, 44.1694,
47.7208)**

Conversions

Conversions Part 1

Format	Color
Hex	86BCB0
RGB	134, 188, 176
RGB Percent	53%, 74%, 69%
CMY	0.4745, 0.2627, 0.3098
CMYK	0.29, 0.00, 0.06, 0.26
HSL	167°, 29%, 63%
HSV	167°, 29%, 74%
XYZ	35.6512, 44.1694, 47.7208
YIQ	170.4860, -28.3320, -15.1800

Conversions

Conversions Part 2

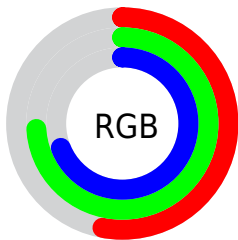
Format	Color
RYB	134, 164, 188
Decimal	8830128
CIELab	72.34, -20.19, 0.39
CIElCh	72, 20.195, 178.882
Yxy	44.1694, 0.2795, 0.3463
Android (android.graphics.Color)	4287020208 (0xFF86BCB0)
YUV	170.4860, 2.7184, -31.9982
Hunter-Lab	66.4601, -20.5523, 3.9496

Details

The XYZ color **35.6512, 44.1694, 47.7208** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.4540, 29.8180, 31.1354**, and the grayscale version is **38.4491, 40.4514, 44.0516**.

A 20% lighter version of the original color is **67.9024, 81.3464, 88.4665**, and **15.7817, 20.5770, 22.2088** is the 20% darker color. If you saturate the color by 10%, you get **32.5102, 42.5983, 45.4494**, and if you desaturate by 10%, it is **39.3402, 46.0238, 50.0862**.

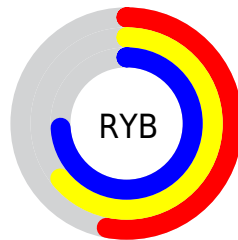
Distribution



Red (53%)

Green (74%)

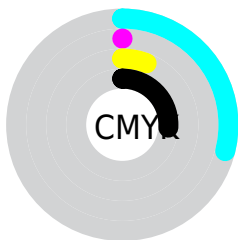
Blue (69%)



Red (53%)

Yellow (64%)

Blue (74%)

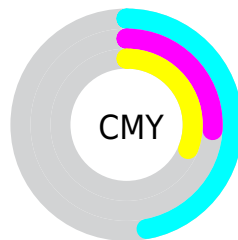


Cyan (29%)

Magenta (0%)

Yellow (6%)

Black (26%)



Cyan (47%)


Magenta (26%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6512, 44.1694, 47.7208 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 35.6512, 44.1694, 47.7208 by changing the saturation by 10% instead.

 35.6512, 44.1694,
47.7208


 35.6512, 44.1694,
47.7208


318.8913,
363.3991, 394.1611


 24.3338, 30.8037,
33.2474


 67.8208, 81.4726,
88.1498

 15.7075, 20.4494,
22.0434

 89.4036, 106.1789,
114.9424

 9.4069, 12.7222,
13.6902


 115.1390,
135.4341, 146.6786

 5.0668, 7.2375,
7.7692

145.3923,
169.6228, 183.7769

 2.3217, 3.6111,
3.8620

180.5288,
209.1292, 226.6557

 0.8057, 1.4585,
1.5499

220.9139,

 0.0000, 0.2592,

254.3378, 275.7336

0.2547

266.9130,
305.6330, 331.4293

■ 0.0000, 0.0000,
0.0000

■ 35.6512, 44.1694,
47.7208

■ 35.6512, 44.1694,
47.7208

■ 32.5102, 42.5983,
45.4494

■ 39.3402, 46.0238,
50.0862

■ 29.8850, 41.2906,
43.2670

■ 43.5996, 48.1696,
52.5444

■ 27.7460, 40.2320,
41.1727

■ 48.4552, 50.6212,
55.0981

■ 26.0588, 39.4050,
39.1641

■ 53.9301, 53.3906,
57.7489

■ 24.7846, 38.7894,
37.2389

■ 60.0461, 56.4890,
60.4985

■ 23.8778, 38.3618,
35.3944

■ 66.8240, 59.9271,
63.3483

■ 23.2610, 38.0823,
33.6262

■ 70.2739, 61.6480,
66.1122

■ 23.1893, 38.0502,
33.4054

■ 70.7860, 61.8528,
68.8090

■ 71.3117, 62.0631,
71.5774

Harmonies

Analogous

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



36.5189, 44.1694, 38.8686



35.6512, 44.1694, 47.7208



36.4003, 44.1694, 57.9374

Triad

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



35.6512, 44.1694, 47.7208



45.2914, 44.1694, 66.8634



45.5292, 44.1694, 33.5043

Complementary

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



35.6512, 44.1694, 47.7208



34.4540, 29.8180, 31.1354

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.



48.1063, 44.1694, 39.4321



35.6512, 44.1694, 47.7208



47.9637, 44.1694, 58.6722

Square

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



35.6512, 44.1694, 47.7208



41.8515, 44.1694, 69.8668



49.0204, 44.1694, 48.4671



42.1121, 44.1694, 31.3901

Rectangle

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



35.6512, 44.1694, 47.7208



37.7405, 44.1694, 63.9922



49.0204, 44.1694, 48.4671



46.5292, 44.1694, 35.0728

Sweetspot

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



35.6525, 44.1712, 47.7218



78.6657, 87.1205, 95.0325



34.2487, 43.8557, 29.2148



16.6619, 18.6064, 20.2946



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.



35.6525, 44.1712, 47.7218



61.1734, 78.3276, 84.0627



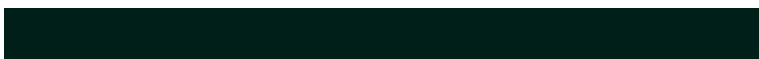
33.9689, 38.8185, 53.2815



9.7153, 10.7723, 11.7505



15.8166, 25.9169, 22.8948



0.6424, 1.0243, 1.0171

Inverse Universe

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



34.4540, 29.8180, 31.1354



58.6759, 48.3633, 49.4584



35.6963, 33.7194, 27.1820



9.6147, 9.5702, 10.3599



14.4257, 7.4014, 2.2693



0.5904, 0.3000, 0.2221

Previews

White Background



This preview shows how the XYZ color 35.6512, 44.1694, 47.7208 looks on a white background.

Color Contrast Check

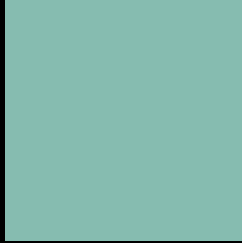
Large Text (above 18pt) WCAG AA × Fail

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 35.6512, 44.1694, 47.7208 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 35.6512, 44.1694, 47.7208

Background



This preview shows how black text looks on a background with the XYZ color 35.6512, 44.1694, 47.7208.



This preview shows how white text looks on a background with the XYZ color 35.6512, 44.1694,

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

35.6512, 44.1694, 47.7208

Protanopia

41.9782, 43.8603, 43.7895

Deuteranopia

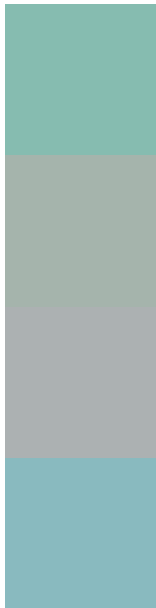
44.6919, 43.7179, 48.7307



Tritanopia

38.3052, 44.3104, 60.5667

Trichromacy



Original Color

35.6512, 44.1694, 47.7208

Protanomaly

39.2847, 43.6204, 45.3788

Deuteranomaly

40.7713, 43.4293, 48.3533

Tritanomaly

37.2794, 44.1978, 55.8564

Monochromacy



Original Color

35.6512, 44.1694, 47.7208

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.0732, 41.5909, 45.1036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6512, 44.1694, 47.7208 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(134, 188, 176)` looks like.

```
.text, #text, p{  
    color:rgb(134, 188, 176)  
}
```

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(134, 188, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 188, 176) }
```

Border

The CSS property to change the border of an element to XYZ 35.6512, 44.1694, 47.7208 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(134, 188, 176) }
```


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

```
.border{ border-color:rgb(134, 188, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 188, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 188, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 188, 176);  
box-shadow:4px 4px 4px 4px rgb(134, 188,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6512, 44.1694, 47.7208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 188, 176) }
```

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

```
.background{ background-color: rgb(134,  
188, 176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor