

Converting Colors

XYZ(40.2720, 58.6280, 47.7813)

Have a look what the booklet for
XYZ(40.2720, 58.6280, 47.7813)
contains.

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Color

**XYZ(40.2820, 58.6935,
47.7340)**

Conversions

Conversions Part 1

Format	Color
Hex	71DEAB
RGB	113, 222, 171
RGB Percent	44%, 87%, 67%
CMY	0.5569, 0.1294, 0.3294
CMYK	0.49, 0.00, 0.23, 0.13
HSL	152°, 62%, 66%
HSV	152°, 49%, 87%
XYZ	40.2820, 58.6935, 47.7340
YIQ	183.5950, -48.5930, -38.9690

Conversions

Conversions Part 2

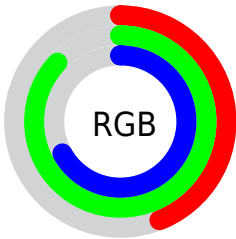
Format	Color
RYB	113, 184, 222
Decimal	7462571
CIELab	81.12, -43.06, 15.52
CIElCh	81, 45.772, 160.179
Yxy	58.6935, 0.2746, 0.4001
Android (android.graphics.Color)	4285652651 (0xFF71DEAB)
YUV	183.5950, -6.2093, -61.9118
Hunter-Lab	76.6117, -40.2161, 16.6867

Details

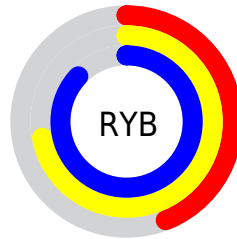
The XYZ color **40.2820, 58.6935, 47.7340** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **42.7321, 30.0216, 38.6666**, and the grayscale version is **45.3902, 47.7541, 52.0042**.

A 20% lighter version of the original color is **66.0650, 85.5570, 84.9837**, and **18.4342, 29.3612, 22.1485** is the 20% darker color. If you saturate the color by 10%, you get **36.8163, 57.0184, 42.6054**, and if you desaturate by 10%, it is **44.5272, 60.7646, 53.3079**.

Distribution



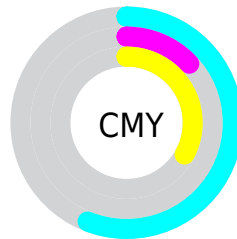
- Red (44%)
- Green (87%)
- Blue (67%)



- Red (44%)
- Yellow (72%)
- Blue (87%)



- Cyan (49%)
- Magenta (0%)
- Yellow (23%)
- Black (13%)





- Cyan (56%)
- Magenta (13%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2820, 58.6935, 47.7340 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 40.2820, 58.6935, 47.7340 by changing the saturation by 10% instead.


 40.2820, 58.6935,
47.7340


 40.2820, 58.6935,
47.7340


338.4248,
419.7651, 394.2150


 27.9437, 42.3664,
33.2578


 74.8744, 102.9321,
88.1696

 18.4234, 29.3883,
22.0513


 97.8591, 131.6124,
114.9662

 11.3559, 19.3748,
13.6959


 125.1233,
165.1792, 146.7065

 6.3758, 11.9414,
7.7731

157.0325,
204.0169, 183.8093

 3.1177, 6.7038,
3.8644

193.9518,
248.5100, 226.6930

 1.2163, 3.2775,
1.5513

236.2468,

 0.1192, 1.2783,

299.0428, 275.7761

0.2557

284.2826,
355.9997, 331.4773

■ 0.0000, 0.1243,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.2820, 58.6935,
47.7340

■ 40.2820, 58.6935,
47.7340

■ 36.8163, 57.0184,
42.6054

■ 44.5272, 60.7646,
53.3079

■ 34.0717, 55.7047,
37.9063


■ 49.5955, 63.2493,
59.3342


■ 31.9890, 54.7236,
33.6255


■ 55.5328, 66.1725,
65.8252


■ 30.4963, 54.0383,
29.7497


■ 62.3800, 69.5553,
72.7911

 29.4810, 53.5910,
26.2632

 70.1754, 73.4171,
80.2419

 29.3999, 53.5557,
25.9671

 78.9551, 77.7765,
88.1874

 83.6482, 80.0190,
96.3979

 85.2682, 80.6670,
104.9285

 85.4123, 80.7246,
105.6874

Harmonies

Analogous

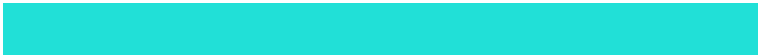
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.7938, 58.6935, 31.6479



40.2820, 58.6935, 47.7340



39.6447, 58.6935, 73.6235

Triad

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



40.2820, 58.6935, 47.7340



59.0832, 58.6935, 130.6089



70.9672, 58.6935, 35.7085

Complementary

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



40.2820, 58.6935, 47.7340



42.7321, 30.0216, 38.6666

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.



75.8044, 58.6935, 55.0858



40.2820, 58.6935, 47.7340



68.4446, 58.6935, 112.8899

Square

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



40.2820, 58.6935, 47.7340



49.8091, 58.6935, 126.9720



74.8321, 58.6935, 83.3743



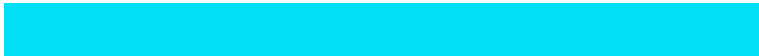
62.2238, 58.6935, 26.1975

Rectangle

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



40.2820, 58.6935, 47.7340



41.4163, 58.6935, 94.0377



74.8321, 58.6935, 83.3743



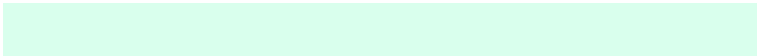
73.1467, 58.6935, 41.0169

Sweetspot

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



40.2836, 58.6959, 47.7353



79.6021, 92.3539, 93.8301



44.7634, 61.5101, 25.1369



16.6240, 19.5631, 19.6561



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



40.2836, 58.6959, 47.7353



50.2482, 77.9822, 58.0839



45.6381, 60.0698, 78.2993



13.8321, 15.4586, 16.1509



17.5190, 31.8325, 15.7220



1.2595, 2.2245, 1.3274

Inverse Universe

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



42.7321, 30.0216, 38.6666



53.9784, 34.3647, 44.3176



39.2163, 28.9428, 19.1431



13.9728, 13.8068, 15.6270



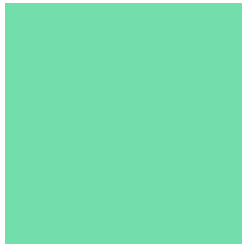
19.4287, 9.8385, 8.9231



1.3916, 0.6999, 0.8551

Previews

White Background



This preview shows how the XYZ color 40.2820, 58.6935, 47.7340 looks on a white background.

Color Contrast Check

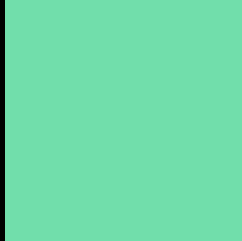
Large Text (above 18pt) WCAG AA × Fail

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 40.2820, 58.6935, 47.7340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

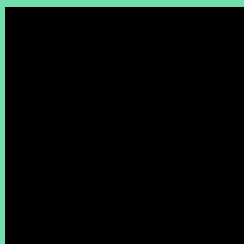
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

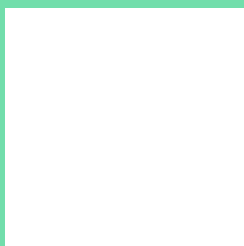
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2820, 58.6935, 47.7340

Background



This preview shows how black text looks on a background with the XYZ color 40.2820, 58.6935, 47.7340.



This preview shows how white text looks on a background with the XYZ color 40.2820, 58.6935,

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

40.2820, 58.6935, 47.7340

Protanopia

54.4400, 57.9928, 41.5821

Deuteranopia

59.0007, 57.8082, 49.6434



Tritanopia

47.5236, 58.5298, 84.3939

Trichromacy



Original Color

40.2820, 58.6935, 47.7340



Protanomaly

47.3882, 57.1392, 43.6533



Deuteranomaly

49.5804, 56.7200, 48.8923



Tritanomaly

44.4899, 58.4401, 69.2568

Monochromacy



Original Color

40.2820, 58.6935, 47.7340



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.4313, 50.9119, 50.2384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2820, 58.6935, 47.7340 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(113, 222, 171)` looks like.

```
.text, #text, p{  
    color:rgb(113, 222, 171)  
}
```

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(113, 222, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 222, 171) }
```

Border

The CSS property to change the border of an element to XYZ 40.2820, 58.6935, 47.7340 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(113, 222, 171) }
```


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

```
.border{ border-color:rgb(113, 222, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 222, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 222, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 222, 171);  
box-shadow:4px 4px 4px 4px rgb(113, 222,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2820, 58.6935, 47.7340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 222, 171) }
```

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

```
.background{ background-color: rgb(113,  
222, 171) }
```

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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