

Converting Colors

XYZ(36.5925, 50.5890, 44.2428)

Have a look what the booklet for
XYZ(36.5925, 50.5890, 44.2428)
contains.

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Color

**XYZ(36.5521, 50.4457,
44.3697)**

Conversions

Conversions Part 1

Format	Color
Hex	78CDA7
RGB	120, 205, 167
RGB Percent	47%, 80%, 65%
CMY	0.5294, 0.1961, 0.3451
CMYK	0.41, 0.00, 0.19, 0.20
HSL	153°, 46%, 64%
HSV	153°, 41%, 80%
XYZ	36.5521, 50.4457, 44.3697
YIQ	175.2530, -38.4620, -29.8380

Conversions

Conversions Part 2

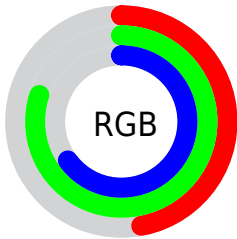
Format	Color
RYB	120, 175, 205
Decimal	7916967
CIELab	76.34, -34.42, 10.93
CIELCh	76, 36.117, 162.378
Yxy	50.4457, 0.2782, 0.3840
Android (android.graphics.Color)	4286107047 (0xFF78CDA7)
YUV	175.2530, -4.0687, -48.4569
Hunter-Lab	71.0251, -32.4314, 12.6789

Details

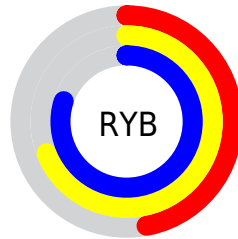
The XYZ color **36.5521, 50.4457, 44.3697** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **38.0666, 28.8820, 35.9182**, and the grayscale version is **40.9144, 43.0451, 46.8761**.

A 20% lighter version of the original color is **66.8493, 86.0240, 82.1882**, and **16.1808, 24.1743, 20.0329** is the 20% darker color. If you saturate the color by 10%, you get **33.1903, 48.8084, 39.9457**, and if you desaturate by 10%, it is **40.5854, 52.4249, 49.1409**.

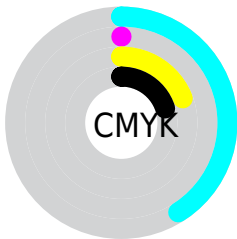
Distribution



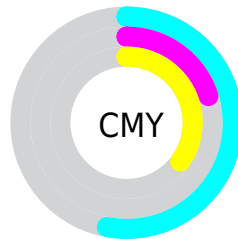
- Red (47%)
- Green (80%)
- Blue (65%)



- Red (47%)
- Yellow (69%)
- Blue (80%)



- Cyan (41%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)





- Cyan (53%)
- Magenta (20%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5521, 50.4457, 44.3697 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 36.5521, 50.4457, 44.3697 by changing the saturation by 10% instead.


 36.5521, 50.4457,
44.3697


 36.5521, 50.4457,
44.3697


322.7566,
388.4064, 380.3002


 25.0330, 35.7677,
30.6219


 69.2017, 90.8349,
83.0822

 16.2305, 24.2548,
20.0551


 91.0629, 117.3148,
108.8839

 9.7793, 15.5227,
12.2506


 117.1021,
148.4976, 139.5408

 5.3140, 9.1871,
6.7900

147.6847,
184.7674, 175.4713

 2.4693, 4.8634,
3.2547

183.1762,
226.5088, 217.0939

 0.8798, 2.1673,
1.2261

223.9417,

 0.0000, 0.7021,

274.1062, 264.8273

0.0000

270.3467,
327.9439, 319.0898

■ 0.0000, 0.0000,
0.0000

■ 36.5521, 50.4457,
44.3697

■ 36.5521, 50.4457,
44.3697

■ 33.1903, 48.8084,
39.9457

■ 40.5854, 52.4249,
49.1409

■ 30.4554, 47.4862,
35.8569

■ 45.3229, 54.7586,
54.2637

■ 28.3037, 46.4580,
32.0959

■ 50.8001, 57.4666,
59.7470


■ 26.6838, 45.6974,
28.6533

■ 57.0490, 60.5650,
65.5982

■ 25.5344, 45.1731,
25.5191


■ 64.0995, 64.0691,
71.8244

 24.8327, 44.8646,
23.0777

 71.9798, 67.9935,
78.4326

 77.5184, 70.7029,
85.2799

 78.8485, 71.2349,
92.2842

 80.2474, 71.7945,
99.6509

Harmonies

Analogous

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



39.6767, 50.4457, 31.6820



36.5521, 50.4457, 44.3697



36.2948, 50.4457, 63.3358

Triad

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



36.5521, 50.4457, 44.3697



50.7998, 50.4457, 100.1266



58.2498, 50.4457, 33.3874

Complementary

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



36.5521, 50.4457, 44.3697



38.0666, 28.8820, 35.9182

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.



61.8594, 50.4457, 47.2971



36.5521, 50.4457, 44.3697



57.2937, 50.4457, 87.4265

Square

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



36.5521, 50.4457, 44.3697



44.1033, 50.4457, 98.8115



61.4938, 50.4457, 67.0382



52.0080, 50.4457, 26.4477

Rectangle

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



36.5521, 50.4457, 44.3697



37.7472, 50.4457, 77.4746



61.4938, 50.4457, 67.0382



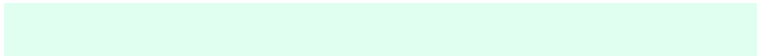
59.8366, 50.4457, 37.2425

Sweetspot

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



36.5535, 50.4478, 44.3708



82.5496, 93.8013, 97.2241



39.3729, 52.3153, 25.7928



17.4021, 19.9452, 20.5495



0.0000, 0.0000, 0.0000



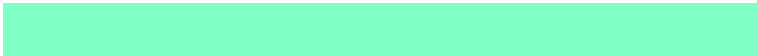
20.3446, 21.4041, 23.3091

Same Dimension

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



36.5535, 50.4478, 44.3708



54.7798, 80.1476, 66.0076



39.5952, 50.0597, 65.3356



11.3233, 12.6391, 13.2599



15.5072, 27.9482, 14.6218



0.8379, 1.4570, 0.9538

Inverse Universe

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



38.0666, 28.8820, 35.9182



57.5986, 40.0500, 50.3185



35.8075, 28.8144, 21.4445



11.4173, 11.2956, 12.7320



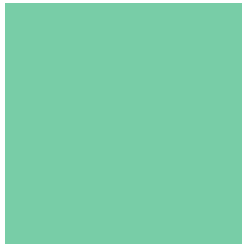
16.9130, 8.5758, 7.2606



0.9105, 0.4576, 0.5748

Previews

White Background



This preview shows how the XYZ color 36.5521, 50.4457, 44.3697 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 36.5521, 50.4457, 44.3697 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

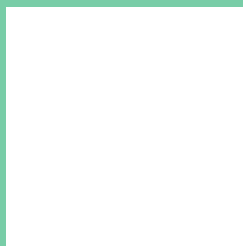
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.5521, 50.4457, 44.3697

Background



This preview shows how black text looks on a background with the XYZ color 36.5521, 50.4457, 44.3697.

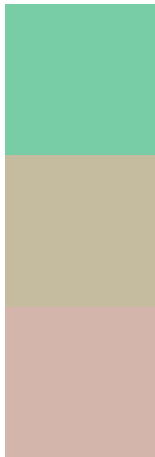


This preview shows how white text looks on a background with the XYZ color 36.5521, 50.4457,

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

36.5521, 50.4457, 44.3697

Protanopia

46.9678, 49.8796, 39.5000

Deuteranopia

50.8342, 49.8752, 45.9773



Tritanopia

41.8474, 50.1487, 71.0924

Trichromacy



Original Color

36.5521, 50.4457, 44.3697



Protanomaly

42.0870, 49.5918, 41.0722



Deuteranomaly

44.0293, 49.1942, 45.2050



Tritanomaly

39.8668, 50.3937, 60.4491

Monochromacy



Original Color

36.5521, 50.4457, 44.3697



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.5229, 45.0649, 45.6978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5521, 50.4457, 44.3697 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(120, 205, 167)` looks like.

```
.text, #text, p{  
    color:rgb(120, 205, 167)  
}
```

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(120, 205, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 205, 167) }
```

Border

The CSS property to change the border of an element to XYZ 36.5521, 50.4457, 44.3697 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(120, 205, 167) }
```


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

```
.border{ border-color:rgb(120, 205, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 205, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 205, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 205, 167); box-shadow:4px 4px 4px 4px rgb(120, 205, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5521, 50.4457, 44.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 205, 167) }
```

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

```
.background{ background-color: rgb(120,  
205, 167) }
```

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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