

Converting Colors

XYZ(36.7487, 53.5014, 39.9961)

Have a look what the booklet for
XYZ(36.7487, 53.5014, 39.9961)
contains.

XYZ(36.7344, 53.5662, 39.8557)	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(36.7344, 53.5662,
39.8557)**

Conversions

Conversions Part 1

Format	Color
Hex	72D59C
RGB	114, 213, 156
RGB Percent	45%, 84%, 61%
CMY	0.5529, 0.1647, 0.3882
CMYK	0.46, 0.00, 0.27, 0.16
HSL	145°, 54%, 64%
HSV	145°, 46%, 84%
XYZ	36.7344, 53.5662, 39.8557
YIQ	176.9010, -40.7070, -38.7150

Conversions

Conversions Part 2

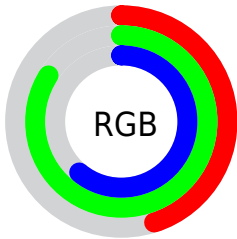
Format	Color
RYB	114, 184, 213
Decimal	7525788
CIELab	78.21, -41.86, 19.36
CIELCh	78, 46.123, 155.180
Yxy	53.5662, 0.2822, 0.4116
Android (android.graphics.Color)	4285715868 (0xFF72D59C)
YUV	176.9010, -10.3042, -55.1642
Hunter-Lab	73.1889, -38.4894, 18.9453

Details

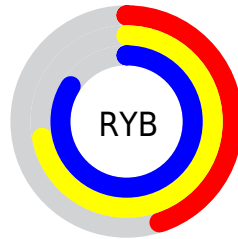
The XYZ color **36.7344, 53.5662, 39.8557** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **40.8103, 29.1222, 42.0001**, and the grayscale version is **41.8068, 43.9840, 47.8986**.

A 20% lighter version of the original color is **64.3125, 84.8811, 74.6221**, and **16.4075, 26.3144, 17.5790** is the 20% darker color. If you saturate the color by 10%, you get **33.2933, 51.9077, 34.5451**, and if you desaturate by 10%, it is **40.9283, 55.6036, 45.7513**.

Distribution



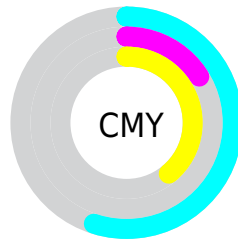
- Red (45%)
- Green (84%)
- Blue (61%)



- Red (45%)
- Yellow (72%)
- Blue (84%)



- Cyan (46%)
- Magenta (0%)
- Yellow (27%)
- Black (16%)





- Cyan (55%)
- Magenta (16%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7344, 53.5662, 39.8557 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 36.7344, 53.5662, 39.8557 by changing the saturation by 10% instead.


 36.7344, 53.5662,
39.8557


 36.7344, 53.5662,
39.8557


323.5347,
400.4536, 361.0490

 25.1746, 38.2550,
27.1131


 69.4806, 95.4370,
76.1784

 16.3366, 26.1806,
17.4250


 91.3977, 122.7654,
100.5956

 9.8550, 16.9588,
10.3728


 117.4981,
154.8682, 129.7415

 5.3645, 10.2051,
5.5380

148.1469,
192.1299, 164.0345

 2.4996, 5.5352,
2.5021

183.7096,
234.9350, 203.8932

 0.8951, 2.5646,
0.8412

224.5516,

 0.0000, 0.9089,

283.6676, 249.7362

0.0000

271.0382,
338.7124, 301.9819

■ 0.0000, 0.0000,
0.0000

■ 36.7344, 53.5662,
39.8557

■ 36.7344, 53.5662,
39.8557

■ 33.2933, 51.9077,
34.5451

■ 40.9283, 55.6036,
45.7513

■ 30.5522, 50.5969,
29.7974

■ 45.9148, 58.0356,
52.2457

■ 28.4580, 49.6081,
25.5944


■ 51.7357, 60.8851,
59.3569


■ 26.9473, 48.9092,
21.9152


■ 58.4289, 64.1710,
67.1011


■ 25.9403, 48.4593,
18.7372

■ 66.0295, 67.9114,
75.4936

 25.6562, 48.3349,
17.7316

 74.5708, 72.1230,
84.5493

 81.0398, 75.2523,
94.1403

 82.9429, 76.0136,
104.1623

 83.0853, 76.0705,
104.9118

Harmonies

Analogous

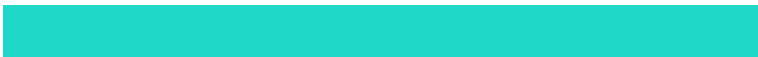
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.5575, 53.5662, 26.4107



36.7344, 53.5662, 39.8557



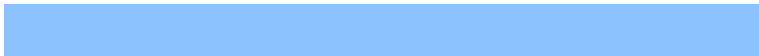
35.5161, 53.5662, 62.9267

Triad

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



36.7344, 53.5662, 39.8557



52.4956, 53.5662, 123.1192



66.4499, 53.5662, 34.1262

Complementary

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



36.7344, 53.5662, 39.8557



40.8103, 29.1222, 42.0001

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.



70.2190, 53.5662, 53.9523



36.7344, 53.5662, 39.8557



61.5769, 53.5662, 109.0885

Square

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



36.7344, 53.5662, 39.8557



43.9725, 53.5662, 116.0415



68.3383, 53.5662, 81.7651



58.5481, 53.5662, 23.8527

Rectangle

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



36.7344, 53.5662, 39.8557



36.7716, 53.5662, 82.1209



68.3383, 53.5662, 81.7651



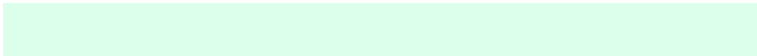
68.2822, 53.5662, 39.6361

Sweetspot

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



36.7358, 53.5684, 39.8569



79.9791, 92.5928, 91.8345



43.7917, 57.5482, 24.7199



16.6729, 19.6000, 19.1302



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.



36.7358, 53.5684, 39.8569



49.9892, 77.9865, 51.8422



41.7246, 55.5639, 66.1277



12.4788, 13.9825, 14.3361



15.7200, 29.5434, 11.0873



0.9891, 1.7983, 0.8841

Inverse Universe

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



40.8103, 29.1222, 42.0001



56.8410, 36.8064, 55.3946



36.9877, 27.5931, 21.8708



12.7199, 12.5395, 14.4655



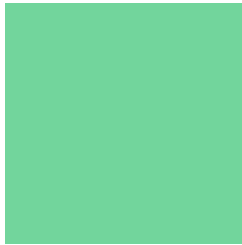
18.9840, 9.5299, 12.4858



1.1860, 0.5912, 0.9690

Previews

White Background



This preview shows how the XYZ color 36.7344, 53.5662, 39.8557 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 36.7344, 53.5662, 39.8557 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 36.7344, 53.5662, 39.8557

Background



This preview shows how black text looks on a background with the XYZ color 36.7344, 53.5662, 39.8557.

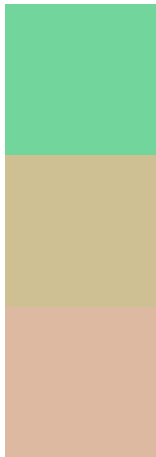


This preview shows how white text looks on a background with the XYZ color 36.7344, 53.5662,

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

36.7344, 53.5662, 39.8557

Protanopia

49.4915, 52.8964, 34.7957

Deuteranopia

53.6893, 52.6787, 41.5207



Tritanopia

44.0884, 53.6289, 76.4343

Trichromacy



Original Color

36.7344, 53.5662, 39.8557



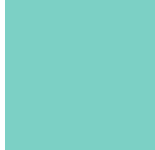
Protanomaly

43.3929, 52.3948, 36.6803



Deuteranomaly

45.1517, 51.5134, 40.8210



Tritanomaly

40.9461, 53.4281, 60.9779

Monochromacy



Original Color

36.7344, 53.5662, 39.8557



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.9013, 46.5615, 44.4731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7344, 53.5662, 39.8557 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(114, 213, 156)` looks like.

```
.text, #text, p{  
    color:rgb(114, 213, 156)  
}
```

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(114, 213, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 213, 156) }
```

Border

The CSS property to change the border of an element to XYZ 36.7344, 53.5662, 39.8557 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(114, 213, 156) }
```


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

```
.border{ border-color:rgb(114, 213, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 213, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 213, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 213, 156);  
box-shadow:4px 4px 4px 4px rgb(114, 213,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7344, 53.5662, 39.8557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 213, 156) }
```

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

```
.background{ background-color: rgb(114,  
213, 156) }
```

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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