

Converting Colors

XYZ(36.8207, 54.4408, 42.2524)

Have a look what the booklet for
XYZ(36.8207, 54.4408, 42.2524)
contains.

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Color

**XYZ(36.7969, 54.2999,
42.2597)**

Conversions

Conversions Part 1

Format	Color
Hex	6BD7A1
RGB	107, 215, 161
RGB Percent	42%, 84%, 63%
CMY	0.5804, 0.1568, 0.3686
CMYK	0.50, 0.00, 0.25, 0.16
HSL	150°, 57%, 63%
HSV	150°, 50%, 84%
XYZ	36.7969, 54.2999, 42.2597
YIQ	176.5520, -47.0340, -39.6900

Conversions

Conversions Part 2

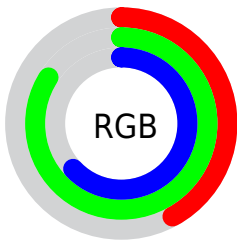
Format	Color
RYB	107, 179, 215
Decimal	7067553
CIELab	78.64, -43.50, 17.28
CIELCh	79, 46.807, 158.338
Yxy	54.2999, 0.2759, 0.4072
Android (android.graphics.Color)	4285257633 (0xFF6BD7A1)
YUV	176.5520, -7.6671, -60.9971
Hunter-Lab	73.6885, -39.8195, 17.5796

Details

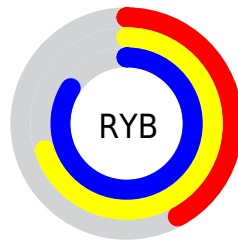
The XYZ color **36.7969, 54.2999, 42.2597** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **39.7169, 27.5370, 36.9423**, and the grayscale version is **41.6129, 43.7800, 47.6764**.

A 20% lighter version of the original color is **63.4645, 84.3704, 77.9059**, and **16.2852, 26.4812, 18.7211** is the 20% darker color. If you saturate the color by 10%, you get **33.6188, 52.7679, 37.3737**, and if you desaturate by 10%, it is **40.7020, 56.2002, 47.6076**.

Distribution



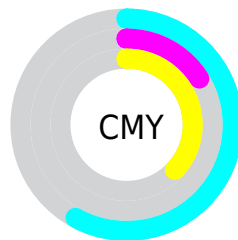
- Red (42%)
- Green (84%)
- Blue (63%)



- Red (42%)
- Yellow (70%)
- Blue (84%)



- Cyan (50%)
- Magenta (0%)
- Yellow (25%)
- Black (16%)





- Cyan (58%)
- Magenta (16%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7969, 54.2999, 42.2597 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 36.7969, 54.2999, 42.2597 by changing the saturation by 10% instead.


 36.7969, 54.2999,
42.2597


 36.7969, 54.2999,
42.2597


323.8012,
403.2526, 371.3897


 25.2232, 38.8415,
28.9776


 69.5762, 96.5144,
79.8668

 16.3731, 26.6364,
18.8184


 91.5125, 124.0393,
105.0290

 9.8810, 17.3004,
11.3637

 117.6337,
156.3552, 134.9882

 5.3818, 10.4489,
6.1948

 148.3052,
193.8464, 170.1631

 2.5100, 5.6976,
2.8932

183.8924,
236.8974, 210.9721

 0.9003, 2.6621,
1.0404

224.7605,

 0.0000, 0.9580,

285.8924, 257.8339

0.0000

271.2750,
341.2161, 311.1669

■ 0.0000, 0.0000,
0.0000

■ 36.7969, 54.2999,
42.2597

■ 36.7969, 54.2999,
42.2597

■ 33.6188, 52.7679,
37.3737

■ 40.7020, 56.2002,
47.6076

■ 31.1128, 51.5717,
32.9329

■ 45.3753, 58.4855,
53.4262

■ 29.2228, 50.6841,
28.9248

■ 50.8599, 61.1791,
59.7285

■ 27.8807, 50.0703,
25.3346

■ 57.1944, 64.3007,
66.5259

■ 26.9816, 49.6749,
22.2141

■ 64.4147, 67.8687,
73.8295

72.5548, 71.9004,
81.6499

80.7189, 75.9338,
89.9538

82.3308, 76.5786,
98.4422

83.5914, 77.0829,
105.0805

Harmonies

Analogous

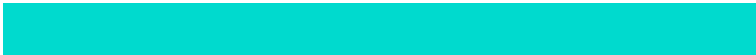
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.3557, 54.2999, 27.5198



36.7969, 54.2999, 42.2597



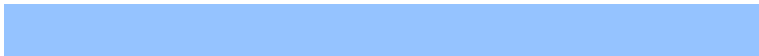
35.9519, 54.2999, 66.8128

Triad

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



36.7969, 54.2999, 42.2597



54.2298, 54.2999, 125.1093



66.8379, 54.2999, 32.8446

Complementary

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



36.7969, 54.2999, 42.2597



39.7169, 27.5370, 36.9423

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.



71.2606, 54.2999, 52.0478



36.7969, 54.2999, 42.2597



63.4340, 54.2999, 108.6875

Square

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



36.7969, 54.2999, 42.2597



45.3260, 54.2999, 120.1400



69.9457, 54.2999, 79.9649



58.4504, 54.2999, 23.3219

Rectangle

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



36.7969, 54.2999, 42.2597



37.4991, 54.2999, 86.7134



69.9457, 54.2999, 79.9649



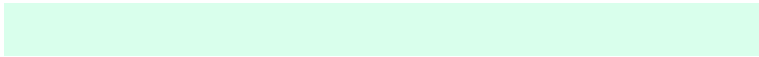
68.8805, 54.2999, 38.1107

Sweetspot

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



36.7984, 54.3021, 42.2609



79.4231, 92.2823, 92.8875



42.0194, 57.4302, 22.7812



16.5809, 19.5458, 19.4293



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.



36.7984, 54.3021, 42.2609



49.3255, 77.5792, 54.7566



42.4013, 56.5433, 71.7657



12.5188, 13.9985, 14.5463



16.1911, 29.7318, 13.5681



1.0184, 1.8100, 1.0384

Inverse Universe

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



39.7169, 27.5370, 36.9423



54.0778, 33.9973, 46.0962



36.0332, 26.0635, 17.5440



12.6796, 12.5233, 14.2532



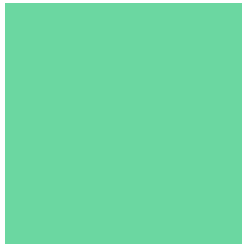
18.4187, 9.3038, 9.5087



1.1527, 0.5779, 0.7935

Previews

White Background



This preview shows how the XYZ color 36.7969, 54.2999, 42.2597 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 36.7969, 54.2999, 42.2597 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

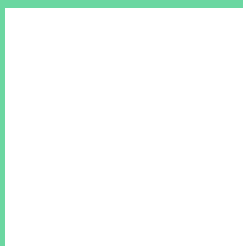
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7969, 54.2999, 42.2597

Background



This preview shows how black text looks on a background with the XYZ color 36.7969, 54.2999, 42.2597.

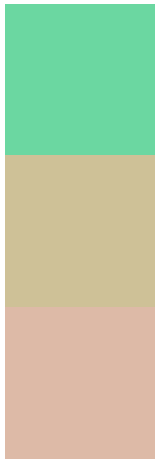


This preview shows how white text looks on a background with the XYZ color 36.7969, 54.2999,

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

36.7969, 54.2999, 42.2597

Protanopia

50.1095, 53.4961, 36.9629

Deuteranopia

54.3528, 53.2800, 43.9786



Tritanopia

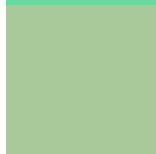
43.9443, 54.2384, 77.9650

Trichromacy



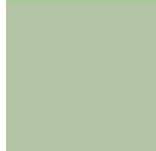
Original Color

36.7969, 54.2999, 42.2597



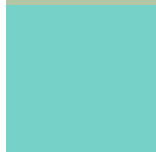
Protanomaly

43.3806, 52.6859, 38.8933



Deuteranomaly

45.5802, 52.3524, 43.3000



Tritanomaly

40.9431, 54.1149, 62.9309

Monochromacy



Original Color

36.7969, 54.2999, 42.2597



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.9304, 46.8773, 45.5244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7969, 54.2999, 42.2597 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(107, 215, 161)` looks like.

```
.text, #text, p{  
    color:rgb(107, 215, 161)  
}
```

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(107, 215, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 215, 161) }
```

Border

The CSS property to change the border of an element to XYZ 36.7969, 54.2999, 42.2597 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(107, 215, 161) }
```


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

```
.border{ border-color:rgb(107, 215, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 215, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 215, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 215, 161);  
box-shadow:4px 4px 4px 4px rgb(107, 215,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7969, 54.2999, 42.2597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 215, 161) }
```

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

```
.background{ background-color: rgb(107,  
215, 161) }
```

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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