

Converting Colors

XYZ(35.9987, 42.0720, 47.9311)

Have a look what the booklet for
XYZ(35.9987, 42.0720, 47.9311)
contains.

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Color

**XYZ(35.9613, 42.1514,
47.8356)**

Conversions

Conversions Part 1

Format	Color
Hex	90B5B1
RGB	144, 181, 177
RGB Percent	56%, 71%, 69%
CMY	0.4353, 0.2902, 0.3059
CMYK	0.20, 0.00, 0.02, 0.29
HSL	174°, 20%, 64%
HSV	174°, 20%, 71%
XYZ	35.9613, 42.1514, 47.8356
YIQ	169.4810, -20.7680, -9.0880

Conversions

Conversions Part 2

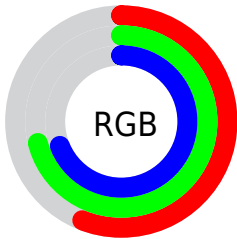
Format	Color
R_{YB}	144, 164, 181
Decimal	9483697
CIE _{Lab}	70.98, -13.26, -2.08
CIE _{LCh}	71, 13.422, 188.931
Y _{xy}	42.1514, 0.2855, 0.3347
Android (android.graphics.Color)	4287673777 (0xFF90B5B1)
YUV	169.4810, 3.7069, -22.3468
Hunter-Lab	64.9241, -14.7465, 1.7624

Details

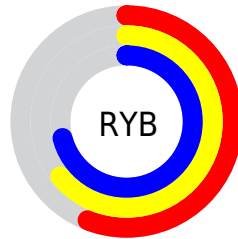
The XYZ color **35.9613, 42.1514, 47.8356** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.3761, 31.9096, 32.3662**, and the grayscale version is **37.9409, 39.9168, 43.4694**.

A 20% lighter version of the original color is **68.2809, 78.4573, 88.6358**, and **15.8715, 19.2207, 21.9422** is the 20% darker color. If you saturate the color by 10%, you get **32.8564, 40.5743, 46.6796**, and if you desaturate by 10%, it is **39.5783, 43.9944, 49.0320**.

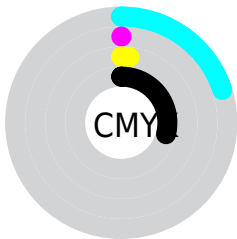
Distribution



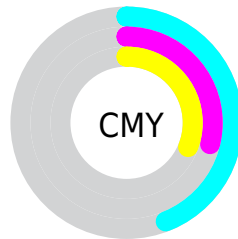
- Red (56%)
- Green (71%)
- Blue (69%)



- Red (56%)
- Yellow (64%)
- Blue (71%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (29%)




- Cyan (44%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9613, 42.1514, 47.8356 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 35.9613, 42.1514, 47.8356 by changing the saturation by 10% instead.


 35.9613, 42.1514,
47.8356


 35.9613, 42.1514,
47.8356


320.2256,
355.1102, 394.6300

 24.5743, 29.2199,
33.3376


 68.2966, 78.4287,
88.3226

 15.8872, 19.2472,
22.1120


 89.9756, 102.5433,
115.1487

 9.5347, 11.8490,
13.7401


115.8159,
131.1543, 146.9213

 5.1514, 6.6410,
7.8035

146.1830,
164.6462, 184.0588

 2.3721, 3.2386,
3.8835

181.4421,
203.4033, 226.9800

 0.8312, 1.2575,
1.5616

221.9587,

 0.0000, 0.1080,

247.8101, 276.1032

0.2632

268.0981,
298.2509, 331.8470

■ 0.0000, 0.0000,
0.0000

■ 35.9613, 42.1514,
47.8356

■ 35.9613, 42.1514,
47.8356

■ 32.8564, 40.5743,
46.6796

■ 39.5783, 43.9944,
49.0320

■ 30.2359, 39.2454,
45.5600

■ 43.7262, 46.1097,
50.2670

■ 28.0749, 38.1531,
44.4763

■ 48.4276, 48.5100,
51.5426

■ 26.3448, 37.2826,
43.4273

■ 53.7022, 51.2055,
52.8598

■ 25.0139, 36.6176,
42.4113

■ 59.5693, 54.2060,
54.2197

■ 24.0460, 36.1395,
41.4266

■ 66.0468, 57.5210,
55.6230

■ 23.3986, 35.8262,
40.4712

■ 67.1364, 58.0580,
56.7892

■ 22.9951, 35.6375,
39.5814

■ 67.3529, 58.1446,
57.9295

■ 67.5724, 58.2324,
59.0850

Harmonies

Analogous

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



36.1809, 42.1514, 41.6064



35.9613, 42.1514, 47.8356



36.8086, 42.1514, 54.0834

Triad

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



35.9613, 42.1514, 47.8356



42.8289, 42.1514, 56.1653



41.6306, 42.1514, 35.3296

Complementary

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



35.9613, 42.1514, 47.8356



34.3761, 31.9096, 32.3662

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.



43.5051, 42.1514, 38.5791



35.9613, 42.1514, 47.8356



44.2147, 42.1514, 50.4701

Square

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



35.9613, 42.1514, 47.8356



40.7354, 42.1514, 59.1782



44.4667, 42.1514, 44.0090



39.3993, 42.1514, 34.7661

Rectangle

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



35.9613, 42.1514, 47.8356



37.8837, 42.1514, 57.2815



44.4667, 42.1514, 44.0090



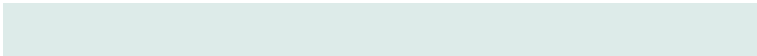
42.3256, 42.1514, 36.1285

Sweetspot

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



35.9625, 42.1531, 47.8365



73.9870, 80.3730, 88.7628



33.8293, 41.3886, 32.5921



15.8903, 17.3200, 19.1545



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



35.9625, 42.1531, 47.8365



61.5262, 74.0278, 84.6310



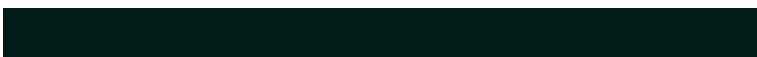
33.6285, 36.8372, 49.0560



8.7023, 9.6154, 10.6917



15.8672, 24.5728, 27.3672



0.5105, 0.7777, 0.9203

Inverse Universe

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



34.3761, 31.9096, 32.3662



58.1185, 52.0148, 51.3923



36.3497, 36.3551, 31.4877



8.5325, 8.5197, 9.0366



13.2346, 6.8114, 1.1292



0.4285, 0.2191, 0.0989

Previews

White Background



This preview shows how the XYZ color 35.9613, 42.1514, 47.8356 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 35.9613, 42.1514, 47.8356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

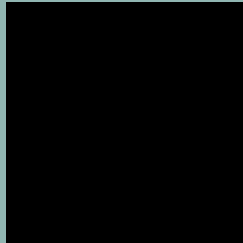
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.9613, 42.1514, 47.8356

Background



This preview shows how black text looks on a background with the XYZ color 35.9613, 42.1514, 47.8356.

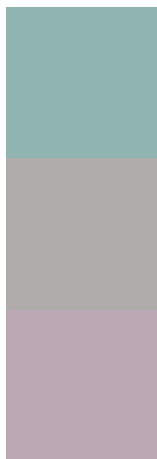


This preview shows how white text looks on a background with the XYZ color 35.9613, 42.1514,

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

35.9613, 42.1514, 47.8356

Protanopia

40.1034, 41.7137, 44.9676

Deuteranopia

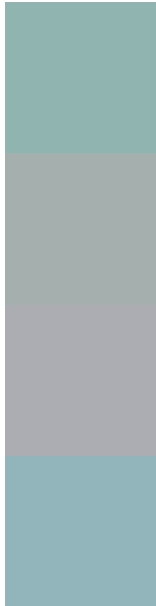
42.7344, 41.8653, 49.0085



Tritanopia

37.7784, 42.2935, 56.6244

Trichromacy



Original Color

35.9613, 42.1514, 47.8356

Protanomaly

38.2798, 41.6084, 46.0581

Deuteranomaly

39.8748, 41.7997, 48.6144

Tritanomaly

37.1450, 42.3414, 53.2287

Monochromacy



Original Color

35.9613, 42.1514, 47.8356

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.8872, 40.3393, 44.8718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9613, 42.1514, 47.8356 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(144, 181, 177)` looks like.

```
.text, #text, p{  
    color:rgb(144, 181, 177)  
}
```

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(144, 181, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 181, 177) }
```

Border

The CSS property to change the border of an element to XYZ 35.9613, 42.1514, 47.8356 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(144, 181, 177) }
```


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

```
.border{ border-color:rgb(144, 181, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 181, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 181, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 181, 177);  
box-shadow:4px 4px 4px 4px rgb(144, 181,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9613, 42.1514, 47.8356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 181, 177) }
```

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

```
.background{ background-color: rgb(144,  
181, 177) }
```

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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