

Converting Colors

XYZ(41.9937, 46.6264, 67.1106)

Have a look what the booklet for
XYZ(41.9937, 46.6264, 67.1106)
contains.

XYZ(42.0414, 46.7234, 67.1243)	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(42.0414, 46.7234,
67.1243)**

Conversions

Conversions Part 1

Format	Color
Hex	97BBD1
RGB	151, 187, 209
RGB Percent	59%, 73%, 82%
CMY	0.4078, 0.2667, 0.1804
CMYK	0.28, 0.11, 0.00, 0.18
HSL	203°, 39%, 71%
HSV	203°, 28%, 82%
XYZ	42.0414, 46.7234, 67.1243
YIQ	178.7440, -28.5180, -0.7900

Conversions

Conversions Part 2

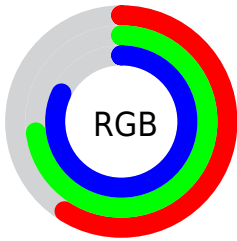
Format	Color
RYB	151, 173, 209
Decimal	9944017
CIELab	74.01, -7.02, -15.02
CIElCh	74, 16.583, 244.949
Yxy	46.7234, 0.2697, 0.2997
Android (android.graphics.Color)	4288134097 (0xFF97BBD1)
YUV	178.7440, 14.9162, -24.3315
Hunter-Lab	68.3545, -9.8341, -10.3748

Details

The XYZ color **42.0414, 46.7234, 67.1243** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.8245, 45.6770, 35.6278**, and the grayscale version is **42.6466, 44.8676, 48.8608**.

A 20% lighter version of the original color is **75.5542, 84.4430, 106.9247**, and **19.4785, 22.0134, 34.2327** is the 20% darker color. If you saturate the color by 10%, you get **36.8659, 41.6284, 66.4144**, and if you desaturate by 10%, it is **48.0002, 52.3623, 67.8994**.

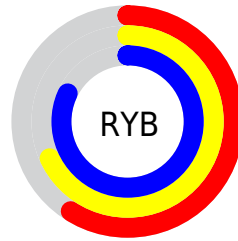
Distribution



Red (59%)

Green (73%)

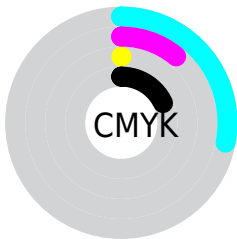
Blue (82%)



Red (59%)

Yellow (68%)

Blue (82%)

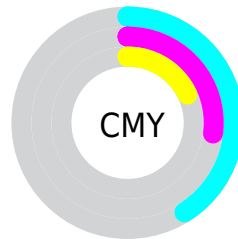


Cyan (28%)

Magenta (11%)

Yellow (0%)

Black (18%)



Cyan (41%)

Magenta (27%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0414, 46.7234, 67.1243 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 42.0414, 46.7234, 67.1243 by changing the saturation by 10% instead.

■ 42.0414, 46.7234,
67.1243

■ 42.0414, 46.7234,
67.1243

345.6432,
373.7094, 468.9006

■ 29.3250, 32.8170,
48.7234

■ 77.5270, 85.3006,
116.7408

■ 19.4723, 21.9863,
34.0361

■ 101.0270,
110.7402, 148.7936

■ 12.1181, 13.8469,
22.6437

128.8521,
140.7931, 186.2340

■ 6.8969, 8.0142,
14.1278

161.3678,
175.8435, 229.4807

■ 3.4435, 4.1041,
8.0699

198.9394,
216.2760, 278.9522

■ 1.3924, 1.7319,
4.0513

241.9323,

■ 0.2508, 0.4442,

262.4749, 335.0669

1.6535

290.7118,
314.8245, 398.2436

■ 0.0000, 0.0000,
0.3286

■ 0.0000, 0.0000,
0.0000

■ 42.0414, 46.7234,
67.1243

■ 42.0414, 46.7234,
67.1243

■ 36.8659, 41.6284,
66.4144

■ 48.0002, 52.3623,
67.8994

■ 32.4316, 37.0500,
65.7644

■ 54.7731, 58.5596,
68.7387

■ 28.6988, 32.9666,
65.1730

■ 62.3944, 65.3364,
69.6450

■ 25.6219, 29.3524,
64.6376

■ 70.8950, 72.7107,
70.6204

■ 23.1495, 26.1785,
64.1552

■ 80.1190, 80.6040,
71.6578

■ 21.2215, 23.4115,
63.7228

■ 82.3327, 85.0314,
72.3957

■ 19.7533, 21.0053,
63.3357

■ 84.6475, 89.6610,
73.1673

■ 19.4558, 20.4976,
63.2534

■ 87.0647, 94.4953,
73.9730

■ 88.5088, 97.3835,
74.4544

Harmonies

Analogous

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



39.9033, 46.7234, 60.7994



42.0414, 46.7234, 67.1243



44.9022, 46.7234, 68.9123

Triad

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



42.0414, 46.7234, 67.1243



50.3273, 46.7234, 49.4799



41.2264, 46.7234, 38.6431

Complementary

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



42.0414, 46.7234, 67.1243



46.8245, 45.6770, 35.6278

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.



43.9198, 46.7234, 36.2946



42.0414, 46.7234, 67.1243



49.2421, 46.7234, 42.0919

Square

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



42.0414, 46.7234, 67.1243



49.7702, 46.7234, 58.0964



46.8643, 46.7234, 37.4837



39.4477, 46.7234, 44.2762

Rectangle

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



42.0414, 46.7234, 67.1243



46.8547, 46.7234, 67.1391



46.8643, 46.7234, 37.4837



42.0503, 46.7234, 37.4737

Sweetspot

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



42.0428, 46.7253, 67.1254



85.5202, 91.4965, 107.7609



43.0359, 55.1700, 47.5458



17.9422, 19.2560, 23.0211



0.0000, 0.0000, 0.0000



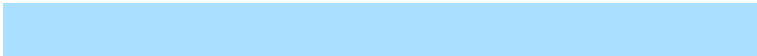
20.3446, 21.4041, 23.3091

Same Dimension

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



42.0428, 46.7253, 67.1254



61.2221, 68.6813, 104.6378



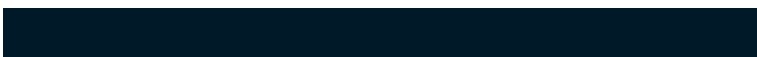
36.6244, 35.8885, 65.3192



11.7660, 12.6223, 15.0599



12.0934, 12.8335, 39.0322



0.7514, 0.8680, 2.2075

Inverse Universe

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



46.3319, 39.2775, 52.1551



69.1052, 55.6614, 76.9729



52.8301, 57.6883, 37.6297



12.1128, 11.9299, 13.8698



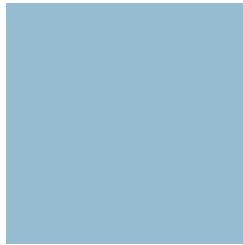
18.7349, 9.3668, 14.0422



1.0855, 0.5389, 0.9850

Previews

White Background



This preview shows how the XYZ color 42.0414, 46.7234, 67.1243 looks on a white background.

Color Contrast Check

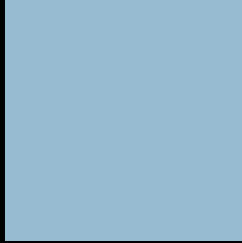
Large Text (above 18pt) WCAG AA × Fail

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 42.0414, 46.7234, 67.1243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

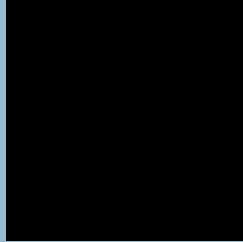
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

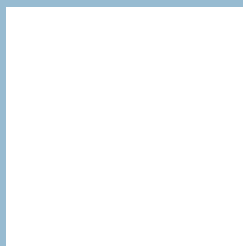
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0414, 46.7234, 67.1243

Background



This preview shows how black text looks on a background with the XYZ color 42.0414, 46.7234, 67.1243.



This preview shows how white text looks on a background with the XYZ color 42.0414, 46.7234,

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

42.0414, 46.7234, 67.1243

Protanopia

45.7008, 46.5153, 64.3273

Deuteranopia

47.4876, 46.4617, 68.0932



Tritanopia

41.3404, 46.7623, 63.3471

Trichromacy



Original Color

42.0414, 46.7234, 67.1243

Protanomaly

44.2225, 46.6480, 65.0657

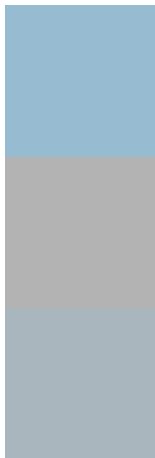
Deuteranomaly

45.3903, 46.5851, 67.5723

Tritanomaly

41.5803, 46.8582, 64.6106

Monochromacy



Original Color

42.0414, 46.7234, 67.1243

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.3844, 45.6086, 55.2846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0414, 46.7234, 67.1243 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(151, 187, 209)` looks like.

```
.text, #text, p{  
    color:rgb(151, 187, 209)  
}
```

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(151, 187, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 187, 209) }
```

Border

The CSS property to change the border of an element to XYZ 42.0414, 46.7234, 67.1243 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(151, 187, 209) }
```


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

```
.border{ border-color:rgb(151, 187, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 187, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 187, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 187, 209);  
box-shadow:4px 4px 4px 4px rgb(151, 187,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0414, 46.7234, 67.1243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 187, 209) }
```

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

```
.background{ background-color: rgb(151,  
187, 209) }
```

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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