

Converting Colors

XYZ(42.2317, 46.7937, 56.9410)

Have a look what the booklet for
XYZ(42.2317, 46.7937, 56.9410)
contains.

XYZ(42.1776, 46.7101, 56.6621)	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(42.1776, 46.7101,
56.6621)**

Conversions

Conversions Part 1

Format	Color
Hex	A3BAC0
RGB	163, 186, 192
RGB Percent	64%, 73%, 75%
CMY	0.3608, 0.2706, 0.2471
CMYK	0.15, 0.03, 0.00, 0.25
HSL	192°, 19%, 70%
HSV	192°, 15%, 75%
XYZ	42.1776, 46.7101, 56.6621
YIQ	179.8070, -15.6340, -3.0100

Conversions

Conversions Part 2

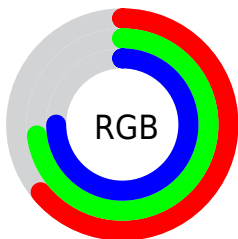
Format	Color
R_{YB}	163, 176, 192
Decimal	10730176
CIE _{Lab}	74.00, -6.57, -5.69
CIE _{LCh}	74, 8.695, 220.879
Yxy	46.7101, 0.2898, 0.3209
Android (android.graphics.Color)	4288920256 (0xFFA3BAC0)
YUV	179.8070, 6.0111, -14.7397
Hunter-Lab	68.3448, -9.4457, -1.3138

Details

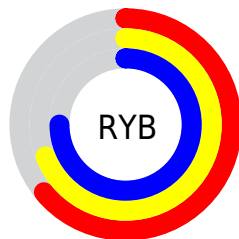
The XYZ color **42.1776, 46.7101, 56.6621** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.5374, 42.2267, 40.5599**, and the grayscale version is **43.2548, 45.5074, 49.5576**.

A 20% lighter version of the original color is **77.6089, 85.1870, 101.1592**, and **19.6033, 22.0186, 27.6429** is the 20% darker color. If you saturate the color by 10%, you get **37.7163, 43.1868, 56.2179**, and if you desaturate by 10%, it is **47.2617, 50.5915, 57.1441**.

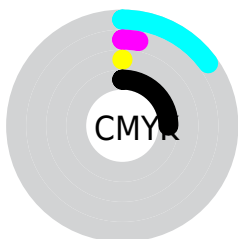
Distribution



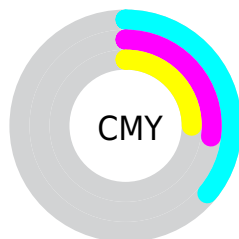
- Red (64%)
- Green (73%)
- Blue (75%)



- Red (64%)
- Yellow (69%)
- Blue (75%)



- Cyan (15%)
- Magenta (3%)
- Yellow (0%)
- Black (25%)



- Cyan (36%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1776, 46.7101, 56.6621 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 42.1776, 46.7101, 56.6621 by changing the saturation by 10% instead.

■ 42.1776, 46.7101,
56.6621

■ 42.1776, 46.7101,
56.6621

346.1977,
373.6562, 429.6402

■ 29.4321, 32.8065,
40.3265

■ 77.7318, 85.2807,
101.4674

■ 19.5539, 21.9783,
27.4775

■ 101.2713,
110.7166, 130.7742

■ 12.1775, 13.8409,
17.6965

129.1394,
140.7653, 165.2417

■ 6.9378, 8.0101,
10.5651

161.7015,
175.8114, 205.2886

■ 3.4692, 4.1014,
5.6648

199.3231,
216.2391, 251.3333

■ 1.4065, 1.7305,
2.5769

242.3694,

■ 0.2608, 0.4433,

262.4328, 303.7945

0.8805

291.2058,
314.7771, 363.0906

■ 0.0000, 0.0000,
0.0000

■ 42.1776, 46.7101,
56.6621

■ 42.1776, 46.7101,
56.6621

■ 37.7163, 43.1868,
56.2179

■ 47.2617, 50.5915,
57.1441

■ 33.8468, 40.0015,
55.8070

■ 52.9899, 54.8384,
57.6619

■ 30.5413, 37.1410,
55.4291

■ 59.3873, 59.4655,
58.2178

■ 27.7683, 34.5887,
55.0826

■ 66.4767, 64.4846,
58.8130

■ 25.4929, 32.3262,
54.7659

■ 72.7916, 69.1400,
59.3787

■ 23.6761, 30.3333,
54.4769

■ 73.7588, 71.0743,
59.7011

■ 22.2725, 28.5862,
54.2137

■ 74.7503, 73.0574,
60.0316

■ 21.2272, 27.0563,
53.9735

■ 75.7664, 75.0894,
60.3703

■ 20.7905, 26.3578,
53.8617

■ 76.8070, 77.1707,
60.7172

Harmonies

Analogous

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



41.5292, 46.7101, 52.4900



42.1776, 46.7101, 56.6621



43.4259, 46.7101, 59.3719

Triad

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



42.1776, 46.7101, 56.6621



47.2771, 46.7101, 53.7114



43.8355, 46.7101, 42.9175

Complementary

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



42.1776, 46.7101, 56.6621



42.5374, 42.2267, 40.5599

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.



45.3815, 46.7101, 43.2020



42.1776, 46.7101, 56.6621



47.3930, 46.7101, 49.2628

Square

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



42.1776, 46.7101, 56.6621



46.3790, 46.7101, 57.6009



46.6920, 46.7101, 45.4670



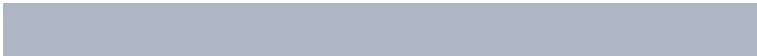
42.4714, 46.7101, 44.6655

Rectangle

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



42.1776, 46.7101, 56.6621



44.4424, 46.7101, 59.8952



46.6920, 46.7101, 45.4670



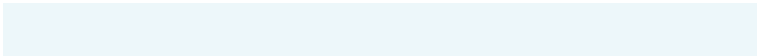
44.3508, 46.7101, 42.7813

Sweetspot

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



42.1790, 46.7120, 56.6631



85.6575, 91.6851, 103.5426



41.0974, 48.3437, 44.6039



18.2282, 19.5580, 22.1996



92.9021, 97.7402, 106.4391



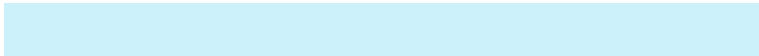
19.4759, 20.4902, 22.3138

Same Dimension

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



42.1790, 46.7120, 56.6631



73.7301, 82.5358, 102.4053



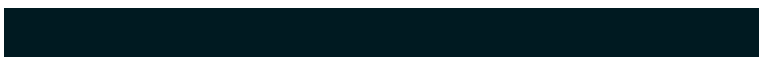
39.3150, 40.9842, 55.7085



10.1860, 11.0633, 12.8834



14.0467, 17.8499, 36.2617



0.6526, 0.8625, 1.5820

Inverse Universe

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



43.6994, 40.9471, 52.0569



77.0173, 70.2558, 92.4056



45.3453, 47.8425, 41.4958



10.4052, 10.2107, 12.2242



18.4861, 9.0842, 21.0037



0.8218, 0.4017, 1.0288

Previews

White Background



This preview shows how the XYZ color 42.1776, 46.7101, 56.6621 looks on a white background.

Color Contrast Check

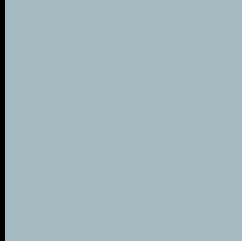
Large Text (above 18pt) WCAG AA × Fail

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 42.1776, 46.7101, 56.6621 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

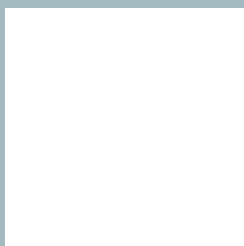
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1776, 46.7101, 56.6621

Background



This preview shows how black text looks on a background with the XYZ color 42.1776, 46.7101, 56.6621.



This preview shows how white text looks on a background with the XYZ color 42.1776, 46.7101,

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

42.1776, 46.7101, 56.6621

Protanopia

45.2376, 46.7891, 54.7910

Deuteranopia

47.5111, 46.4150, 57.4938



Tritanopia

43.0841, 46.7606, 61.3985

Trichromacy



Original Color

42.1776, 46.7101, 56.6621

Protanomaly

44.1322, 46.8148, 55.4253

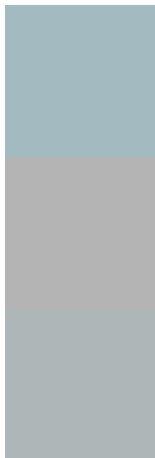
Deuteranomaly

45.4753, 46.5601, 57.0423

Tritanomaly

42.7368, 46.6217, 59.5697

Monochromacy



Original Color

42.1776, 46.7101, 56.6621

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.8352, 45.9153, 51.9523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1776, 46.7101, 56.6621 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(163, 186, 192)` looks like.

```
.text, #text, p{  
    color:rgb(163, 186, 192)  
}
```

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(163, 186, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 186, 192) }
```

Border

The CSS property to change the border of an element to XYZ 42.1776, 46.7101, 56.6621 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(163, 186, 192) }
```


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

```
.border{ border-color:rgb(163, 186, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 186, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 186, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 186, 192);  
box-shadow:4px 4px 4px 4px rgb(163, 186,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1776, 46.7101, 56.6621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 186, 192) }
```

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

```
.background{ background-color: rgb(163,  
186, 192) }
```

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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