

Converting Colors

XYZ(37.2662, 46.0942, 56.8021)

Have a look what the booklet for
XYZ(37.2662, 46.0942, 56.8021)
contains.

XYZ(37.2662, 46.0942, 56.8021)	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(37.2662, 46.0942,
56.8021)**

Conversions

Conversions Part 1

Format	Color
Hex	80C0C0
RGB	128, 192, 192
RGB Percent	50%, 75%, 75%
CMY	0.4980, 0.2470, 0.2471
CMYK	0.33, 0.00, 0.00, 0.25
HSL	180°, 34%, 63%
HSV	180°, 33%, 75%
XYZ	37.2662, 46.0942, 56.8021
YIQ	172.8640, -38.1440, -13.5680

Conversions

Conversions Part 2

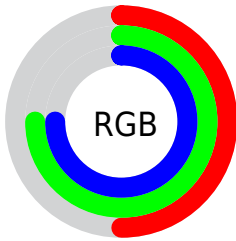
Format	Color
RYB	128, 160, 192
Decimal	8437952
CIELab	73.61, -20.28, -6.51
CIELCh	74, 21.298, 197.792
Yxy	46.0942, 0.2659, 0.3289
Android (android.graphics.Color)	4286628032 (0xFF80C0C0)
YUV	172.8640, 9.4340, -39.3457
Hunter-Lab	67.8927, -20.8339, -2.0798

Details

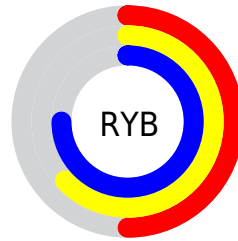
The XYZ color **37.2662, 46.0942, 56.8021** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.3553, 28.2048, 24.1100**, and the grayscale version is **39.6197, 41.6830, 45.3928**.

A 20% lighter version of the original color is **70.3474, 84.5960, 101.4279**, and **16.6503, 21.5369, 27.7056** is the 20% darker color. If you saturate the color by 10%, you get **34.6474, 44.7453, 56.6802**, and if you desaturate by 10%, it is **40.4342, 47.7285, 56.9517**.

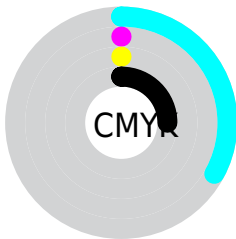
Distribution



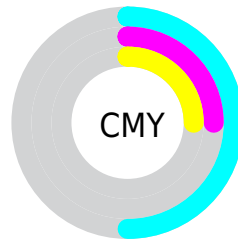
- Red (50%)
- Green (75%)
- Blue (75%)



- Red (50%)
- Yellow (63%)
- Blue (75%)



- Cyan (33%)
- Magenta (0%)
- Yellow (0%)
- Black (25%)



- Cyan (50%)
- Magenta (25%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2662, 46.0942, 56.8021 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 37.2662, 46.0942, 56.8021 by changing the saturation by 10% instead.

■ 37.2662, 46.0942,
56.8021

■ 37.2662, 46.0942,
56.8021

325.7971,
371.1872, 430.1803

■ 25.5883, 32.3202,
40.4381

■ 70.2932, 84.3600,
101.6738

■ 16.6469, 21.6062,
27.5639

■ 92.3730, 109.6205,
131.0186

■ 10.0768, 13.5678,
17.7610

■ 118.6508,
139.4786, 165.5274

■ 5.5126, 7.8207,
10.6109

149.4919,
174.3187, 205.6187

■ 2.5889, 3.9804,
5.6950

185.2618,
214.5253, 251.7112

■ 0.9403, 1.6626,
2.5947

226.3257,

■ 0.0000, 0.3993,

260.4826, 304.2232

0.8897

273.0490,
312.5751, 363.5734

■ 0.0000, 0.0000,
0.0000

■ 37.2662, 46.0942,
56.8021

■ 37.2662, 46.0942,
56.8021

■ 34.6474, 44.7453,
56.6802

■ 40.4342, 47.7285,
56.9517

■ 32.5427, 43.6603,
56.5813

■ 44.1758, 49.6574,
57.1272

■ 30.9197, 42.8236,
56.5050

■ 48.5189, 51.8963,
57.3308

■ 29.7401, 42.2155,
56.4495

■ 53.4882, 54.4581,
57.5637

■ 28.9603, 41.8135,
56.4126

■ 59.1073, 57.3548,
57.8270

■ 28.5276, 41.5905,
56.3920

■ 65.3985, 60.5980,
58.1218

■ 28.3645, 41.5064,
56.3842

■ 69.6054, 62.7668,
58.3190

■ 69.6055, 62.7668,
58.3193

■ 69.6055, 62.7668,
58.3197

Harmonies

Analogous

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



37.1024, 46.0942, 45.9263



37.2662, 46.0942, 56.8021



39.1202, 46.0942, 67.1867

Triad

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



37.2662, 46.0942, 56.8021



49.4018, 46.0942, 65.4649



45.3617, 46.0942, 32.5123

Complementary

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



37.2662, 46.0942, 56.8021



33.3553, 28.2048, 24.1100

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.



48.8629, 46.0942, 36.3306



37.2662, 46.0942, 56.8021



51.2835, 46.0942, 54.7071

Square

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



37.2662, 46.0942, 56.8021



46.0633, 46.0942, 72.6603



51.0808, 46.0942, 44.1097



41.6337, 46.0942, 32.9057

Rectangle

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



37.2662, 46.0942, 56.8021



41.1285, 46.0942, 71.9625



51.0808, 46.0942, 44.1097



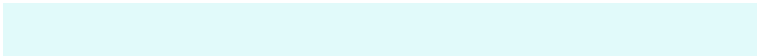
46.6080, 46.0942, 33.3203

Sweetspot

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



37.2676, 46.0960, 56.8032



82.4173, 91.1980, 103.6188



31.8108, 43.9320, 27.2264



17.4507, 19.4461, 22.2189



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.



37.2676, 46.0960, 56.8032



63.9603, 81.6831, 102.7531



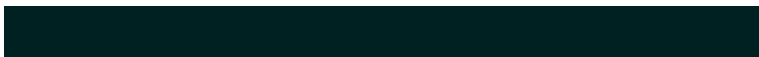
31.1745, 33.9096, 54.7733



10.3686, 11.4285, 12.9442



19.0855, 27.9283, 37.9391



0.8246, 1.2067, 1.6393

Inverse Universe

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



33.3553, 28.2048, 24.1100



55.7857, 44.2992, 34.4405



38.0228, 37.5400, 25.6652



10.0732, 10.0779, 10.4763



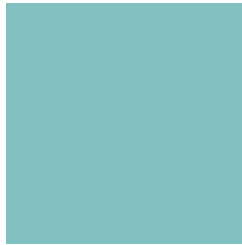
14.6275, 7.5408, 0.6847



0.6320, 0.3258, 0.0296

Previews

White Background



This preview shows how the XYZ color 37.2662, 46.0942, 56.8021 looks on a white background.

Color Contrast Check

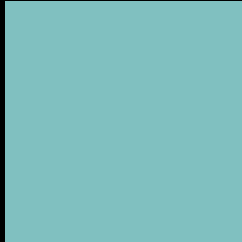
Large Text (above 18pt) WCAG AA × Fail

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 37.2662, 46.0942, 56.8021 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 37.2662, 46.0942, 56.8021

Background



This preview shows how black text looks on a background with the XYZ color 37.2662, 46.0942, 56.8021.



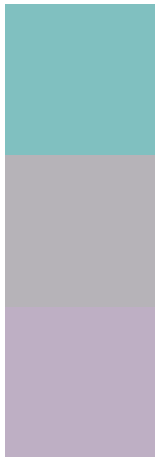
This preview shows how white text looks on a background with the XYZ color 37.2662, 46.0942,

56.8021.

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

37.2662, 46.0942, 56.8021

Protanopia

44.0632, 45.6460, 51.8356

Deuteranopia

46.5290, 45.5926, 58.5725



Tritanopia

38.7930, 46.0600, 64.6035

Trichromacy



Original Color

37.2662, 46.0942, 56.8021

Protanomaly

41.0104, 45.5502, 53.6443

Deuteranomaly

42.3105, 45.2034, 58.1249

Tritanomaly

38.2620, 46.1776, 61.5401

Monochromacy



Original Color

37.2662, 46.0942, 56.8021

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.4641, 43.1059, 49.4730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2662, 46.0942, 56.8021 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(128, 192, 192)` looks like.

```
.text, #text, p{  
    color:rgb(128, 192, 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(128, 192, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 192, 192) }
```

Border

The CSS property to change the border of an element to XYZ 37.2662, 46.0942, 56.8021 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(128, 192, 192) }
```


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

```
.border{ border-color:rgb(128, 192, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 192, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 192, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 192, 192);  
box-shadow:4px 4px 4px 4px rgb(128, 192,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2662, 46.0942, 56.8021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 192, 192) }
```

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

```
.background{ background-color: rgb(128,  
192, 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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