

Converting Colors

XYZ(37.4104, 42.2727, 8.0433)

Have a look what the booklet for
XYZ(37.4104, 42.2727, 8.0433)
contains.

XYZ(37.3610, 42.2670, 8.0229)	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(37.3610, 42.2670,
8.0229)**

Conversions

Conversions Part 1

Format	Color
Hex	BFB026
RGB	191, 176, 38
RGB Percent	75%, 69%, 15%
CMY	0.2510, 0.3098, 0.8510
CMYK	0.00, 0.08, 0.80, 0.25
HSL	54°, 67%, 45%
HSV	54°, 80%, 75%
XYZ	37.3610, 42.2670, 8.0229
YIQ	164.7530, 53.2380, -39.7380

Conversions

Conversions Part 2

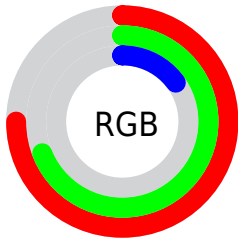
Format	Color
RYB	55, 191, 38
Decimal	12562470
CIELab	71.05, -8.97, 66.25
CIElCh	71, 66.852, 97.710
Yxy	42.2670, 0.4262, 0.4822
Android (android.graphics.Color)	4290752550 (0xFFBFB026)
YUV	164.7530, -62.4892, 23.0186
Hunter-Lab	65.0131, -11.1945, 38.1925

Details

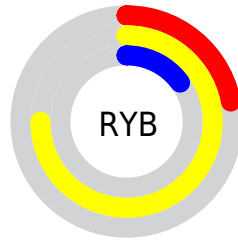
The XYZ color **37.3610, 42.2670, 8.0229** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **11.4765, 6.7199, 49.9819**, and the grayscale version is **35.9190, 37.7896, 41.1529**.

A 20% lighter version of the original color is **70.4709, 78.5056, 22.5052**, and **16.8805, 19.4018, 2.8552** is the 20% darker color. If you saturate the color by 10%, you get **36.7642, 41.4467, 6.6742**, and if you desaturate by 10%, it is **38.1228, 43.1647, 10.2071**.

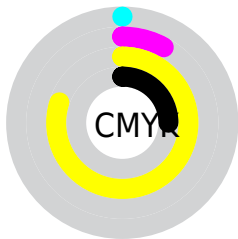
Distribution



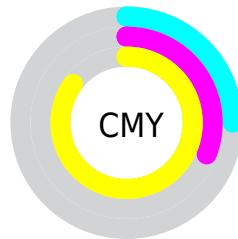
- Red (75%)
- Green (69%)
- Blue (15%)



- Red (22%)
- Yellow (75%)
- Blue (15%)



- Cyan (0%)
- Magenta (8%)
- Yellow (80%)
- Black (25%)





- Cyan (25%)
- Magenta (31%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3610, 42.2670, 8.0229 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 37.3610, 42.2670, 8.0229 by changing the saturation by 10% instead.


 37.3610, 42.2670,
8.0229


 37.3610, 42.2670,
8.0229


326.1993,
355.5886, 185.8528


 25.6621, 29.3104,
4.0216


 70.4379, 78.6036,
22.5502

 16.7024, 19.3158,
1.6372


 92.5466, 102.7523,
33.9134


 10.1165, 11.8987,
0.3172


 118.8559,
131.4006, 48.5675

 5.5391, 6.6747,
0.0000

 149.7312,
164.9328, 66.9313

 2.6049, 3.2595,
0.0000

 185.5378,
203.7333, 89.4232

 0.9485, 1.2687,
0.0000

 226.6411,

 0.0000, 0.1168,

248.1865, 116.4617

0.0000

273.4065,
298.6768, 148.4654

■ 0.0000, 0.0000,
0.0000

■ 37.3610, 42.2670,
8.0229

■ 37.3610, 42.2670,
8.0229

■ 36.7642, 41.4467,
6.6742

■ 38.1228, 43.1647,
10.2071

■ 36.2916, 40.6883,
5.9408

■ 39.0679, 44.1422,
13.3362

■ 40.2155, 45.2089,
17.5060

■ 41.5813, 46.3710,
22.7997

■ 43.1796, 47.6344,
29.2923

■ 45.0234, 49.0042,
37.0521

■ 47.1246, 50.4853,
46.1423

■ 49.4946, 52.0822,
56.6220

■ 52.1439, 53.7991,
68.5466

Harmonies

Analogous

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



48.8802, 42.2670, 9.3505



37.3610, 42.2670, 8.0229



28.4190, 42.2670, 12.5015

Triad

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



37.3610, 42.2670, 8.0229



25.4686, 42.2670, 94.8137



63.4960, 42.2670, 73.5074

Complementary

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



37.3610, 42.2670, 8.0229



11.4765, 6.7199, 49.9819

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.



54.7905, 42.2670, 113.8251



37.3610, 42.2670, 8.0229



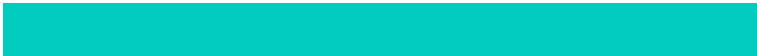
32.5674, 42.2670, 129.5908

Square

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



37.3610, 42.2670, 8.0229



22.4313, 42.2670, 54.7749



43.1238, 42.2670, 137.8126



65.4289, 42.2670, 38.2543

Rectangle

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



37.3610, 42.2670, 8.0229



24.6186, 42.2670, 20.3678



43.1238, 42.2670, 137.8126



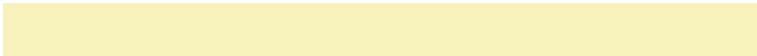
61.1960, 42.2670, 87.3073

Sweetspot

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



37.3620, 42.2690, 8.0238



79.1700, 86.6942, 60.1300



22.8286, 12.7227, 4.6576



17.1273, 18.8446, 12.1231



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.



37.3620, 42.2690, 8.0238



65.2124, 73.2132, 10.9786



28.1561, 42.1313, 8.4824



10.2402, 10.9563, 10.1517



23.8836, 26.8060, 3.9153



0.9590, 1.0968, 0.1612

Inverse Universe

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



11.4765, 6.7199, 49.9819



17.5149, 7.8978, 88.8804



15.2650, 7.8122, 49.9931



9.0897, 9.3718, 12.0021



6.3581, 2.8278, 32.6036



0.2746, 0.1619, 1.2856

Previews

White Background



This preview shows how the XYZ color 37.3610, 42.2670, 8.0229 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 37.3610, 42.2670, 8.0229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

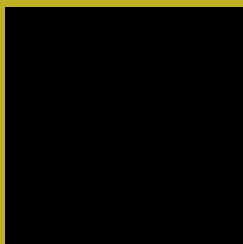
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3610, 42.2670, 8.0229

Background



This preview shows how black text looks on a background with the XYZ color 37.3610, 42.2670, 8.0229.



This preview shows how white text looks on a background with the XYZ color 37.3610, 42.2670,

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

37.3610, 42.2670, 8.0229

Protanopia

38.2509, 42.1478, 7.9530

Deuteranopia

43.1232, 42.1522, 8.2462



Tritanopia

45.2987, 42.1428, 47.3418

Trichromacy



Original Color

37.3610, 42.2670, 8.0229

Protanomaly

37.9280, 42.2692, 7.9935

Deuteranomaly

40.9004, 42.0984, 8.1606

Tritanomaly

40.7945, 41.3819, 25.5761

Monochromacy



Original Color

37.3610, 42.2670, 8.0229

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.9733, 38.7065, 23.0806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3610, 42.2670, 8.0229 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(191, 176, 38)` looks like.

```
.text, #text, p{  
    color:rgb(191, 176, 38)  
}
```

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(191, 176, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 176, 38) }
```

Border

The CSS property to change the border of an element to XYZ 37.3610, 42.2670, 8.0229 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(191, 176, 38) }
```


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

```
.border{ border-color:rgb(191, 176, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 176, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 176, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 176, 38);  
box-shadow:4px 4px 4px 4px rgb(191, 176,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3610, 42.2670, 8.0229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 176, 38) }
```

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

```
.background{ background-color: rgb(191,  
176, 38) }
```

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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