

Converting Colors

XYZ(37.7504, 47.6944, 22.6047)

Have a look what the booklet for
XYZ(37.7504, 47.6944, 22.6047)
contains.

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Color

**XYZ(37.7335, 47.7528,
22.5577)**

Conversions

Conversions Part 1

Format	Color
Hex	A5C270
RGB	165, 194, 112
RGB Percent	65%, 76%, 44%
CMY	0.3529, 0.2392, 0.5608
CMYK	0.15, 0.00, 0.42, 0.24
HSL	81°, 40%, 60%
HSV	81°, 42%, 76%
XYZ	37.7335, 47.7528, 22.5577
YIQ	175.9810, 9.0380, -31.6500

Conversions

Conversions Part 2

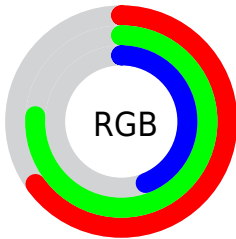
Format	Color
RYB	112, 194, 141
Decimal	10863216
CIELab	74.67, -23.33, 37.98
CIELCh	75, 44.578, 121.564
Yxy	47.7528, 0.3492, 0.4420
Android (android.graphics.Color)	4289053296 (0xFFA5C270)
YUV	175.9810, -31.5426, -9.6303
Hunter-Lab	69.1034, -23.4621, 29.0181

Details

The XYZ color **37.7335, 47.7528, 22.5577** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **26.5182, 21.1474, 53.7259**, and the grayscale version is **41.4140, 43.5707, 47.4485**.

A 20% lighter version of the original color is **71.1075, 87.0831, 48.6583**, and **16.9297, 22.5487, 8.0175** is the 20% darker color. If you saturate the color by 10%, you get **35.3788, 46.6521, 17.4038**, and if you desaturate by 10%, it is **40.4000, 48.9904, 28.9429**.

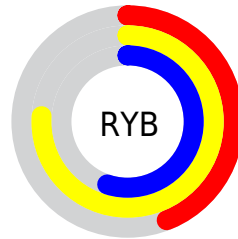
Distribution



Red (65%)

Green (76%)

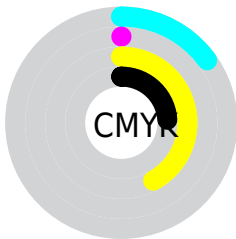
Blue (44%)



Red (44%)

Yellow (76%)

Blue (55%)

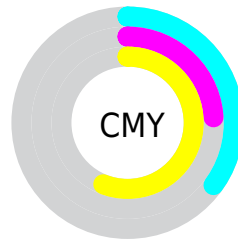


Cyan (15%)

Magenta (0%)

Yellow (42%)

Black (24%)



Cyan (35%)

Magenta (24%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7335, 47.7528, 22.5577 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 37.7335, 47.7528, 22.5577 by changing the saturation by 10% instead.

■ 37.7335, 47.7528,
22.5577

■ 37.7335, 47.7528,
22.5577

327.7760,
377.8114, 278.4930

■ 25.9522, 33.6312,
14.0650

■ 71.0060, 86.8362,
48.5800

■ 16.9204, 22.6104,
8.0266

■ 93.2279, 112.5668,
66.9467

■ 10.2727, 14.3061,
4.0240

■ 119.6608,
142.9359, 89.4419

■ 5.6438, 8.3339,
1.6385

■ 150.6699,
178.3277, 116.4840

■ 2.6683, 4.3093,
0.3181

186.6206,
219.1268, 148.4916

■ 0.9809, 1.8481,
0.0000

227.8783,

■ 0.0000, 0.5169,

265.7175, 185.8833

0.0000

274.8083,
318.4843, 229.0775

■ 0.0000, 0.0000,
0.0000

■ 37.7335, 47.7528,
22.5577

■ 37.7335, 47.7528,
22.5577

■ 35.3788, 46.6521,
17.4038

■ 40.4000, 48.9904,
28.9429

■ 33.3159, 45.6751,
13.3987

■ 43.3895, 50.3645,
36.6289

■ 31.5281, 44.8168,
10.4544


■ 46.7171, 51.8830,
45.6835


■ 29.9947, 44.0686,
8.4691

■ 50.3958, 53.5511,
56.1690


■ 28.6912, 43.4207,
7.3208


■ 54.4376, 55.3739,
68.1437

 27.8065, 42.9746,
6.8294

 58.8542, 57.3561,
81.6629

 63.6565, 59.5022,
96.7789

 66.8266, 61.0051,
102.8608

 68.9452, 62.0973,
102.9599

Harmonies

Analogous

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



44.9650, 47.7528, 19.0011



37.7335, 47.7528, 22.5577



33.0543, 47.7528, 33.5600

Triad

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



37.7335, 47.7528, 22.5577



38.3864, 47.7528, 101.7363



62.7506, 47.7528, 50.7901

Complementary

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



37.7335, 47.7528, 22.5577



26.5182, 21.1474, 53.7259

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.



60.4607, 47.7528, 76.1814



37.7335, 47.7528, 22.5577



45.8128, 47.7528, 110.3373

Square

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



37.7335, 47.7528, 22.5577



33.3986, 47.7528, 78.9263



54.0125, 47.7528, 99.8488



59.9489, 47.7528, 32.0139

Rectangle

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



37.7335, 47.7528, 22.5577



31.6926, 47.7528, 45.7384



54.0125, 47.7528, 99.8488



62.5494, 47.7528, 58.7969

Sweetspot

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



37.7347, 47.7549, 22.5587



84.0431, 93.7246, 81.1157



34.6553, 31.6022, 19.6032



18.0985, 20.3853, 16.9184



0.0000, 0.0000, 0.0000



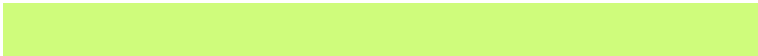
20.3446, 21.4041, 23.3091

Same Dimension

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



37.7347, 47.7549, 22.5587



64.2783, 84.6040, 31.9120



30.5736, 44.0632, 22.2236



10.5565, 11.5744, 10.7396



18.3727, 28.3003, 4.4942



0.8664, 1.2602, 0.1976

Inverse Universe

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



26.5182, 21.1474, 53.7259



41.2259, 29.8587, 96.0603



34.7542, 25.3932, 54.1113



9.8569, 9.9174, 12.6796



8.0794, 3.4255, 33.7920



0.4244, 0.1868, 1.4636

Previews

White Background



This preview shows how the XYZ color 37.7335, 47.7528, 22.5577 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 37.7335, 47.7528, 22.5577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

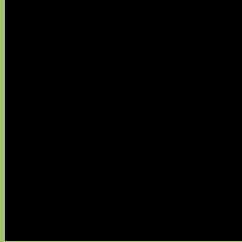
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7335, 47.7528, 22.5577

Background



This preview shows how black text looks on a background with the XYZ color 37.7335, 47.7528, 22.5577.



This preview shows how white text looks on a background with the XYZ color 37.7335, 47.7528,

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

37.7335, 47.7528, 22.5577

Protanopia

43.7277, 47.3672, 21.0254

Deuteranopia

48.3012, 47.2931, 23.1057



Tritanopia

45.4650, 47.7053, 60.2379

Trichromacy



Original Color

37.7335, 47.7528, 22.5577

Protanomaly

41.2697, 47.3361, 21.4296

Deuteranomaly

43.9099, 47.1112, 22.9987

Tritanomaly

42.1919, 47.6407, 43.5310

Monochromacy



Original Color

37.7335, 47.7528, 22.5577

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.6965, 44.9375, 36.7186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7335, 47.7528, 22.5577 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(165, 194, 112)` looks like.

```
.text, #text, p{  
    color:rgb(165, 194, 112)  
}
```

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(165, 194, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 194, 112) }
```

Border

The CSS property to change the border of an element to XYZ 37.7335, 47.7528, 22.5577 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(165, 194, 112) }
```


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

```
.border{ border-color:rgb(165, 194, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 194, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 194, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 194, 112); box-shadow:4px 4px 4px 4px rgb(165, 194, 112) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7335, 47.7528, 22.5577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 194, 112) }
```

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

```
.background{ background-color: rgb(165,  
194, 112) }
```

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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