

Converting Colors

XYZ(30.7132, 46.7039, 22.8552)

Have a look what the booklet for
XYZ(30.7132, 46.7039, 22.8552)
contains.

XYZ(30.7273, 46.8557, 22.7538)	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(30.7273, 46.8557,
22.7538)**

Conversions

Conversions Part 1

Format	Color
Hex	70CA70
RGB	112, 202, 112
RGB Percent	44%, 79%, 44%
CMY	0.5608, 0.2078, 0.5608
CMYK	0.45, 0.00, 0.45, 0.21
HSL	120°, 46%, 62%
HSV	120°, 45%, 79%
XYZ	30.7273, 46.8557, 22.7538
YIQ	164.8300, -24.7500, -47.0700

Conversions

Conversions Part 2

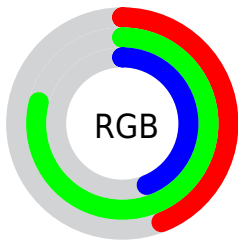
Format	Color
RYB	112, 202, 202
Decimal	7391856
CIELab	74.10, -45.19, 36.66
CIELCh	74, 58.187, 140.952
Yxy	46.8557, 0.3062, 0.4670
Android (android.graphics.Color)	4285581936 (0xFF70CA70)
YUV	164.8300, -26.0452, -46.3319
Hunter-Lab	68.4512, -39.6622, 28.2073

Details

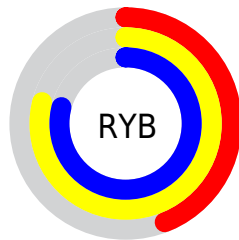
The XYZ color **30.7273, 46.8557, 22.7538** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **40.8135, 28.4101, 59.2113**, and the grayscale version is **35.8131, 37.6782, 41.0315**.

A 20% lighter version of the original color is **58.7000, 82.5614, 48.4394**, and **12.8788, 22.0275, 8.1304** is the 20% darker color. If you saturate the color by 10%, you get **27.4384, 45.2773, 17.3732**, and if you desaturate by 10%, it is **34.8475, 48.8362, 29.4922**.

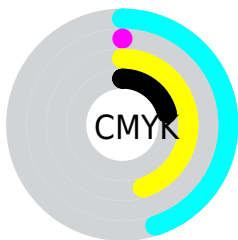
Distribution



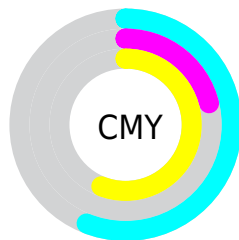
- Red (44%)
- Green (79%)
- Blue (44%)



- Red (44%)
- Yellow (79%)
- Blue (79%)



- Cyan (45%)
- Magenta (0%)
- Yellow (45%)
- Black (21%)



- Cyan (56%)
- Magenta (21%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7273, 46.8557, 22.7538 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 30.7273, 46.8557, 22.7538 by changing the saturation by 10% instead.

■ 30.7273, 46.8557,
22.7538

■ 30.7273, 46.8557,
22.7538

297.1294,
374.2382, 279.5387

■ 20.5421, 32.9216,
14.2082

■ 60.1892, 85.4982,
48.9068

■ 12.9002, 22.0664,
8.1252

■ 80.1967, 110.9754,
67.3513

■ 7.4364, 13.9057,
4.0863

■ 104.2089,
141.0690, 89.9326

■ 3.7852, 8.0551,
1.6728

■ 132.5913,
176.1635, 117.0691

■ 1.5814, 4.1302,
0.3420

165.7092,
216.6433, 149.1794

■ 0.3802, 1.7467,
0.0000

203.9279,

■ 0.0000, 0.4536,

262.8928, 186.6821

0.0000

247.6129,
315.2963, 229.9957

■ 0.0000, 0.0000,
0.0000

■ 30.7273, 46.8557,
22.7538

■ 30.7273, 46.8557,
22.7538

■ 27.4384, 45.2773,
17.3732

■ 34.8475, 48.8362,
29.4922

■ 24.9210, 44.0681,
13.2556

■ 39.8463, 51.2374,
37.6687

■ 23.1134, 43.1998,
10.2989


■ 45.7717, 54.0837,
47.3607


■ 21.9426, 42.6374,
8.3837


■ 52.6672, 57.3959,
58.6395


■ 21.3199, 42.3383,
7.3651

■ 60.5735, 61.1938,
71.5717

 21.1215, 42.2430,
7.0406

 69.5292, 65.4956,
86.2202

 79.5706, 70.3190,
102.6446

 80.4115, 70.7229,
104.0205

Harmonies

Analogous

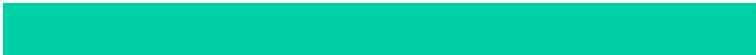
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.7533, 46.8557, 14.0232



30.7273, 46.8557, 22.7538



27.5468, 46.8557, 42.5231

Triad

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



30.7273, 46.8557, 22.7538



41.4606, 46.8557, 131.1607



65.9671, 46.8557, 33.1404

Complementary

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



30.7273, 46.8557, 22.7538



40.8135, 28.4101, 59.2113

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.



67.3733, 46.8557, 60.5748



30.7273, 46.8557, 22.7538



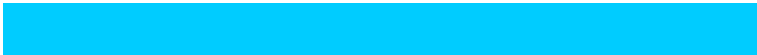
52.0836, 46.8557, 125.4696

Square

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



30.7273, 46.8557, 22.7538



33.0771, 46.8557, 109.7500



61.9606, 46.8557, 96.3266



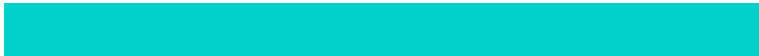
58.3734, 46.8557, 18.1902

Rectangle

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



30.7273, 46.8557, 22.7538



27.6308, 46.8557, 62.7038



61.9606, 46.8557, 96.3266



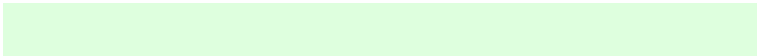
67.2212, 46.8557, 40.8823

Sweetspot

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



30.7285, 46.8577, 22.7548



79.0031, 92.2918, 82.6525



48.4044, 55.9699, 23.5816



16.3887, 19.5039, 16.8385



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.



30.7285, 46.8577, 22.7548



46.8661, 76.8548, 30.0867



33.8897, 48.1222, 39.4018



11.0681, 12.5370, 11.9160



13.5908, 27.1816, 4.5303



0.7011, 1.4023, 0.2337

Inverse Universe

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



40.8135, 28.4101, 59.2113



65.9881, 41.8767, 99.2109



36.2385, 26.5801, 35.1199



11.6876, 11.4038, 14.1555



22.5333, 10.8239, 36.8566



1.1625, 0.5584, 1.9014

Previews

White Background



This preview shows how the XYZ color 30.7273, 46.8557, 22.7538 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 30.7273, 46.8557, 22.7538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

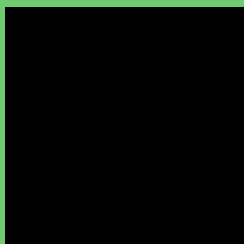
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.7273, 46.8557, 22.7538

Background



This preview shows how black text looks on a background with the XYZ color 30.7273, 46.8557, 22.7538.

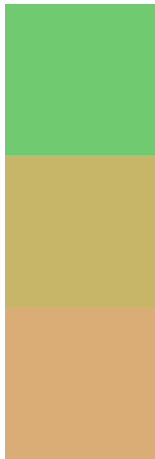


This preview shows how white text looks on a background with the XYZ color 30.7273, 46.8557,

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

30.7273, 46.8557, 22.7538

Protanopia

42.5758, 46.1893, 19.7682

Deuteranopia

47.1868, 46.1245, 23.8687



Tritanopia

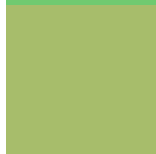
39.2534, 46.5919, 65.9557

Trichromacy



Original Color

30.7273, 46.8557, 22.7538



Protanomaly

36.7878, 45.6722, 20.7866



Deuteranomaly

38.8833, 45.1256, 23.1837



Tritanomaly

35.2737, 46.2939, 46.1062

Monochromacy



Original Color

30.7273, 46.8557, 22.7538



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.9628, 40.0271, 33.1828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7273, 46.8557, 22.7538 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(112, 202, 112)` looks like.

```
.text, #text, p{  
    color:rgb(112, 202, 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(112, 202, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 202, 112) }
```

Border

The CSS property to change the border of an element to XYZ 30.7273, 46.8557, 22.7538 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(112, 202, 112) }
```


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

```
.border{ border-color:rgb(112, 202, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 202, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 202, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 202, 112);  
box-shadow:4px 4px 4px 4px rgb(112, 202,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7273, 46.8557, 22.7538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 202, 112) }
```

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

```
.background{ background-color: rgb(112,  
202, 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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