

Converting Colors

XYZ(22.4232, 30.2568, 14.7840)

Have a look what the booklet for
XYZ(22.4232, 30.2568, 14.7840)
contains.

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Color

**XYZ(22.4224, 30.2555,
14.7833)**

Conversions

Conversions Part 1

Format	Color
Hex	78A15C
RGB	120, 161, 92
RGB Percent	47%, 63%, 36%
CMY	0.5294, 0.3686, 0.6392
CMYK	0.25, 0.00, 0.43, 0.37
HSL	96°, 27%, 50%
HSV	96°, 43%, 63%
XYZ	22.4224, 30.2555, 14.7833
YIQ	140.8750, -2.2870, -30.1510

Conversions

Conversions Part 2

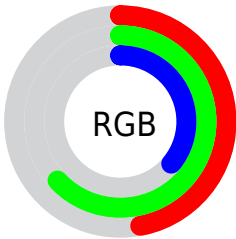
Format	Color
RYB	92, 161, 133
Decimal	7905628
CIELab	61.87, -26.72, 31.47
CIELCh	62, 41.283, 130.328
Yxy	30.2555, 0.3324, 0.4485
Android (android.graphics.Color)	4286095708 (0xFF78A15C)
YUV	140.8750, -24.0954, -18.3074
Hunter-Lab	55.0050, -23.4945, 22.5686

Details

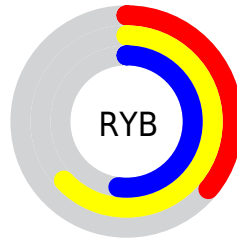
The XYZ color **22.4224, 30.2555, 14.7833** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.9342, 15.2149, 35.6059**, and the grayscale version is **25.3612, 26.6820, 29.0567**.

A 20% lighter version of the original color is **46.9694, 60.0936, 35.1103**, and **8.3775, 12.3843, 4.3317** is the 20% darker color. If you saturate the color by 10%, you get **20.5310, 29.3543, 11.4034**, and if you desaturate by 10%, it is **24.5975, 31.2876, 18.9586**.

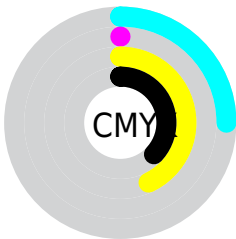
Distribution



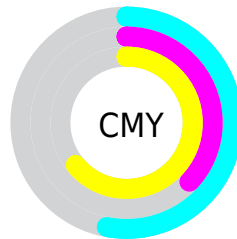
- Red (47%)
- Green (63%)
- Blue (36%)



- Red (36%)
- Yellow (63%)
- Blue (52%)



- Cyan (25%)
- Magenta (0%)
- Yellow (43%)
- Black (37%)



- Cyan (53%)
- Magenta (37%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4224, 30.2555, 14.7833 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 22.4224, 30.2555, 14.7833 by changing the saturation by 10% instead.

■ 22.4224, 30.2555,
14.7833

■ 22.4224, 30.2555,
14.7833

257.3354,
303.0936, 233.6462

■ 14.2859, 20.0326,
8.5225

■ 46.9168, 60.0660,
35.2095

■ 8.4028, 12.4187,
4.3385

■ 64.0055, 80.4224,
50.2120

■ 4.4077, 7.0295,
1.8128

■ 84.8089, 104.9254,
68.9654

■ 1.9353, 3.4806,
0.4364

■ 109.6925,
133.9594, 91.8884

■ 0.5972, 1.3875,
0.0000

139.0216,
167.9089, 119.3994

■ 0.0000, 0.2075,
0.0000

173.1616,

■ 0.0000, 0.0000,

207.1581, 151.9170

0.0000

212.4777,
252.0916, 189.8598

■ 22.4224, 30.2555,
14.7833

■ 22.4224, 30.2555,
14.7833

■ 20.5310, 29.3543,
11.4034

■ 24.5975, 31.2876,
18.9586

■ 18.9077, 28.5741,
8.7663

■ 27.0665, 32.4519,
23.9733

■ 17.5384, 27.9099,
6.8163


■ 29.8417, 33.7550,
29.8707


■ 16.4067, 27.3547,
5.4890


■ 32.9341, 35.2014,
36.6905


■ 15.4936, 26.9003,
4.7077


■ 36.3541, 36.7959,
44.4700

 14.9474, 26.6261,
4.3515

 40.1116, 38.5426,
53.2444

 44.2158, 40.4457,
63.0470

 48.6760, 42.5092,
73.9098

 53.5008, 44.7369,
85.8633

Harmonies

Analogous

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



26.8963, 30.2555, 11.1795



22.4224, 30.2555, 14.7833



19.8783, 30.2555, 23.7361

Triad

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



22.4224, 30.2555, 14.7833



25.3310, 30.2555, 70.6404



40.5092, 30.2555, 27.7899

Complementary

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



22.4224, 30.2555, 14.7833



19.9342, 15.2149, 35.6059

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.



39.9497, 30.2555, 44.2676



22.4224, 30.2555, 14.7833



30.7015, 30.2555, 72.7922

Square

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



22.4224, 30.2555, 14.7833



21.4029, 30.2555, 56.7811



36.1846, 30.2555, 61.9629



37.6278, 30.2555, 16.9313

Rectangle

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



22.4224, 30.2555, 14.7833



19.3983, 30.2555, 33.1174



36.1846, 30.2555, 61.9629



40.7254, 30.2555, 32.7694

Sweetspot

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



22.4232, 30.2568, 14.7840



53.2388, 60.3545, 53.0546



24.9161, 24.9213, 13.6227



11.4388, 13.1254, 11.1245



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



22.4232, 30.2568, 14.7840



37.0524, 52.7048, 20.9102



19.3522, 28.6435, 16.0028



7.2450, 8.0288, 7.5479



11.9813, 21.2871, 3.4773



0.3045, 0.4745, 0.0755

Inverse Universe

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



19.9342, 15.2149, 35.6059



32.0075, 22.2900, 63.0020



24.4636, 17.6071, 33.2311



7.0850, 7.0582, 8.8920



9.0099, 4.0512, 27.2369



0.2408, 0.1117, 0.5747

Previews

White Background



This preview shows how the XYZ color 22.4224, 30.2555, 14.7833 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 22.4224, 30.2555, 14.7833 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 22.4224, 30.2555, 14.7833

Background



This preview shows how black text looks on a background with the XYZ color 22.4224, 30.2555, 14.7833.



This preview shows how white text looks on a background with the XYZ color 22.4224, 30.2555,

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

22.4224, 30.2555, 14.7833

Protanopia

27.6132, 29.9860, 13.5650

Deuteranopia

30.3747, 29.7742, 15.2124



Tritanopia

27.5428, 30.3244, 39.9988

Trichromacy



Original Color

22.4224, 30.2555, 14.7833

Protanomaly

25.2270, 29.7068, 13.8556

Deuteranomaly

26.9136, 29.5902, 15.1195

Tritanomaly

25.2283, 30.1239, 28.5296

Monochromacy



Original Color

22.4224, 30.2555, 14.7833

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.8379, 27.5964, 22.8091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4224, 30.2555, 14.7833 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(120, 161, 92)` looks like.

```
.text, #text, p{  
    color:rgb(120, 161, 92)  
}
```

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(120, 161, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 161, 92) }
```

Border

The CSS property to change the border of an element to XYZ 22.4224, 30.2555, 14.7833 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(120, 161, 92) }
```


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

```
.border{ border-color:rgb(120, 161, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 161, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 161, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 161, 92);  
box-shadow:4px 4px 4px 4px rgb(120, 161,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4224, 30.2555, 14.7833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 161, 92) }
```

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

```
.background{ background-color: rgb(120,  
161, 92) }
```

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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