

Converting Colors

XYZ(30.6475, 46.1865, 22.5545)

Have a look what the booklet for
XYZ(30.6475, 46.1865, 22.5545)
contains.

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Color

**XYZ(30.6491, 46.1232,
22.6165)**

Conversions

Conversions Part 1

Format	Color
Hex	73C870
RGB	115, 200, 112
RGB Percent	45%, 78%, 44%
CMY	0.5490, 0.2157, 0.5608
CMYK	0.43, 0.00, 0.44, 0.22
HSL	118°, 44%, 61%
HSV	118°, 44%, 78%
XYZ	30.6491, 46.1232, 22.6165
YIQ	164.5530, -22.4120, -45.3880

Conversions

Conversions Part 2

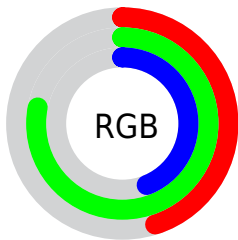
Format	Color
RYB	112, 200, 197
Decimal	7587952
CIELab	73.63, -43.45, 36.08
CIElCh	74, 56.475, 140.291
Yxy	46.1232, 0.3084, 0.4641
Android (android.graphics.Color)	4285778032 (0xFF73C870)
YUV	164.5530, -25.9086, -43.4580
Hunter-Lab	67.9141, -38.2939, 27.7953

Details

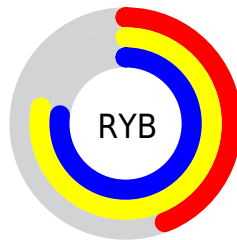
The XYZ color **30.6491, 46.1232, 22.6165** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **39.2476, 27.6303, 57.9106**, and the grayscale version is **35.6788, 37.5369, 40.8776**.

A 20% lighter version of the original color is **59.3461, 82.8945, 48.4697**, and **12.7985, 21.5284, 8.0383** is the 20% darker color. If you saturate the color by 10%, you get **27.3775, 44.5527, 17.2822**, and if you desaturate by 10%, it is **34.7028, 48.0710, 29.2804**.

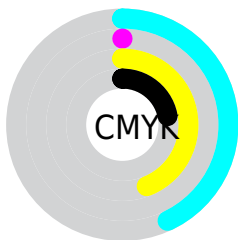
Distribution



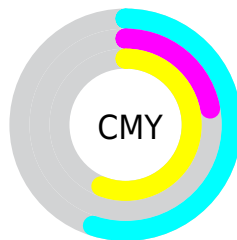
- Red (45%)
- Green (78%)
- Blue (44%)



- Red (44%)
- Yellow (78%)
- Blue (77%)



- Cyan (43%)
- Magenta (0%)
- Yellow (44%)
- Black (22%)





- Cyan (55%)
- Magenta (22%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6491, 46.1232, 22.6165 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 30.6491, 46.1232, 22.6165 by changing the saturation by 10% instead.


 30.6491, 46.1232,
22.6165


 30.6491, 46.1232,
22.6165


296.7743,
371.3037, 278.8069

 20.4823, 32.3431,
14.1080


 60.0668, 84.4033,
48.6780


 12.8564, 21.6237,
8.0562


 80.0484, 109.6721,
67.0681

 7.4061, 13.5806,
4.0426


 104.0324,
139.5393, 89.5891

 3.7659, 7.8296,
1.6488

 132.3840,
174.3891, 116.6596

 1.5706, 3.9861,
0.3253

165.4686,
214.6061, 148.6980

 0.3731, 1.6658,
0.0000

203.6516,

 0.0000, 0.4014,

260.5746, 186.1231

0.0000

247.2984,
312.6790, 229.3532

■ 0.0000, 0.0000,
0.0000

■ 30.6491, 46.1232,
22.6165

■ 30.6491, 46.1232,
22.6165

■ 27.3775, 44.5527,
17.2822

■ 34.7028, 48.0710,
29.2804

■ 24.8343, 43.3297,
13.1857

■ 39.5807, 50.4121,
37.3515

■ 22.9649, 42.4294,
10.2283


■ 45.3261, 53.1684,
46.9051


■ 21.7051, 41.8215,
8.2949

■ 51.9783, 56.3589,
58.0102


■ 20.9787, 41.4694,
7.2466

■ 59.5743, 60.0010,
70.7317

 20.7405, 41.3543,
6.8891

 68.1487, 64.1115,
85.1304

 77.7347, 68.7061,
101.2642

 79.9452, 69.7904,
103.8651

Harmonies

Analogous

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



37.5036, 46.1232, 14.2558



30.6491, 46.1232, 22.6165



27.4875, 46.1232, 41.4951

Triad

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



30.6491, 46.1232, 22.6165



40.6757, 46.1232, 126.3928



64.4573, 46.1232, 33.4432

Complementary

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



30.6491, 46.1232, 22.6165



39.2476, 27.6303, 57.9106

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.



65.6513, 46.1232, 60.0902



30.6491, 46.1232, 22.6165



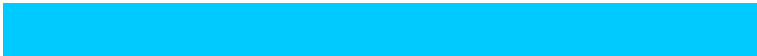
50.8499, 46.1232, 121.5918

Square

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



30.6491, 46.1232, 22.6165



32.6669, 46.1232, 105.6054



60.3551, 46.1232, 94.2521



57.3050, 46.1232, 18.6544

Rectangle

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



30.6491, 46.1232, 22.6165



27.5124, 46.1232, 60.7134



60.3551, 46.1232, 94.2521



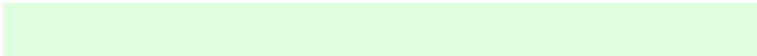
65.6069, 46.1232, 41.0118

Sweetspot

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



30.6503, 46.1251, 22.6175



79.3498, 92.4706, 82.6683



46.3959, 52.7512, 23.0666



16.4727, 19.5472, 16.8423



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.



30.6503, 46.1251, 22.6175



47.5191, 77.1915, 30.1165



32.9726, 47.0093, 36.8714



10.5303, 11.9048, 11.3056



13.2023, 26.3013, 4.3808



0.6371, 1.2515, 0.2080

Inverse Universe

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



39.2476, 27.6303, 57.9106



64.3146, 41.0140, 99.1345



35.9954, 26.4210, 36.6455



11.0460, 10.7975, 13.4194



20.6586, 9.8841, 35.5634



0.9896, 0.4739, 1.6845

Previews

White Background



This preview shows how the XYZ color 30.6491, 46.1232, 22.6165 looks on a white background.

Color Contrast Check

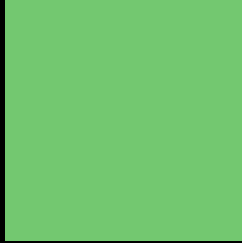
Large Text (above 18pt) WCAG AA × Fail

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 30.6491, 46.1232, 22.6165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

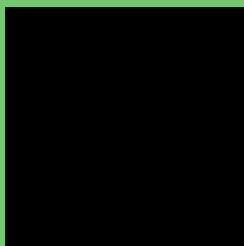
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.6491, 46.1232, 22.6165

Background



This preview shows how black text looks on a background with the XYZ color 30.6491, 46.1232, 22.6165.



This preview shows how white text looks on a background with the XYZ color 30.6491, 46.1232,

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

30.6491, 46.1232, 22.6165

Protanopia

41.8970, 45.5328, 19.9451

Deuteranopia

46.4012, 45.4359, 23.7772



Tritanopia

38.8899, 45.7895, 64.5462

Trichromacy



Original Color

30.6491, 46.1232, 22.6165



Protanomaly

36.4134, 44.8388, 20.9229



Deuteranomaly

38.4707, 44.3006, 23.0462



Tritanomaly

35.0248, 45.5158, 45.4675

Monochromacy



Original Color

30.6491, 46.1232, 22.6165



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.1413, 40.1192, 33.1912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6491, 46.1232, 22.6165 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(115, 200, 112)` looks like.

```
.text, #text, p{  
    color:rgb(115, 200, 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(115, 200, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 200, 112) }
```

Border

The CSS property to change the border of an element to XYZ 30.6491, 46.1232, 22.6165 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(115, 200, 112) }
```


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

```
.border{ border-color:rgb(115, 200, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 200, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 200, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 200, 112);  
box-shadow:4px 4px 4px 4px rgb(115, 200,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6491, 46.1232, 22.6165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 200, 112) }
```

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

```
.background{ background-color: rgb(115,  
200, 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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