

Converting Colors

XYZ(30.3368, 22.9907, 66.7552)

Have a look what the booklet for
XYZ(30.3368, 22.9907, 66.7552)
contains.

XYZ(30.2555, 22.9612, 66.4556)	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(30.2555, 22.9612,
66.4556)**

Conversions

Conversions Part 1

Format	Color
Hex	9471D6
RGB	148, 113, 214
RGB Percent	58%, 44%, 84%
CMY	0.4196, 0.5569, 0.1608
CMYK	0.31, 0.47, 0.00, 0.16
HSL	261°, 55%, 64%
HSV	261°, 47%, 84%
XYZ	30.2555, 22.9612, 66.4556
YIQ	134.9790, -11.5610, 38.8310

Conversions

Conversions Part 2

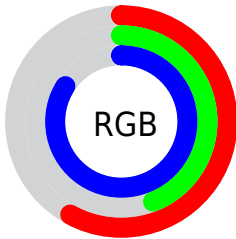
Format	Color
R _Y B	148, 113, 214
Decimal	9728470
CIE Lab	55.03, 35.22, -47.18
CIE LCh	55, 58.878, 306.743
Yxy	22.9612, 0.2528, 0.1919
Android (android.graphics.Color)	4287918550 (0xFF9471D6)
YUV	134.9790, 38.9574, 11.4194
Hunter-Lab	47.9178, 28.8493, -48.6848

Details

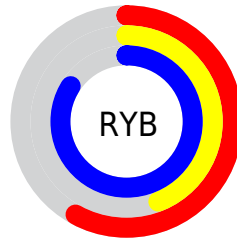
The XYZ color **30.2555, 22.9612, 66.4556** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **45.6178, 58.8694, 24.5821**, and the grayscale version is **22.8854, 24.0772, 26.2200**.

A 20% lighter version of the original color is **56.4070, 46.9676, 100.7004**, and **12.7075, 8.5497, 33.7814** is the 20% darker color. If you saturate the color by 10%, you get **25.7651, 17.5106, 65.6406**, and if you desaturate by 10%, it is **35.6162, 29.6968, 67.4736**.

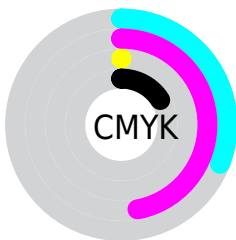
Distribution



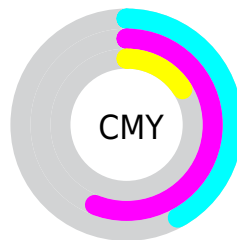
- Red (58%)
- Green (44%)
- Blue (84%)



- Red (58%)
- Yellow (44%)
- Blue (84%)



- Cyan (31%)
- Magenta (47%)
- Yellow (0%)
- Black (16%)



- Cyan (42%)
- Magenta (56%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2555, 22.9612, 66.4556 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 30.2555, 22.9612, 66.4556 by changing the saturation by 10% instead.

■ 30.2555, 22.9612,
66.4556

■ 30.2555, 22.9612,
66.4556

294.9821,
267.5256, 466.4531

■ 20.1816, 14.5649,
48.1835

■ 59.4499, 48.3296,
115.7732

■ 12.6362, 8.5146,
33.6112

■ 79.3011, 66.0705,
147.6559

■ 7.2538, 4.4259,
22.3202

■ 103.1421, 87.6950,
184.9124

■ 3.6690, 1.9146,
13.8918

■ 131.3383,
113.5875, 227.9614

■ 1.5167, 0.5571,
7.9075

164.2551,
144.1324, 277.2215

■ 0.3371, 0.0000,
3.9489

202.2577,

■ 0.0000, 0.0000,

179.7141, 333.1111

1.5974

245.7116,
220.7171, 396.0488

■ 0.0000, 0.0000,
0.2889

■ 0.0000, 0.0000,
0.0000

■ 30.2555, 22.9612,
66.4556

■ 30.2555, 22.9612,
66.4556

■ 25.7651, 17.5106,
65.6406

■ 35.6162, 29.6968,
67.4736

■ 22.0912, 13.2563,
65.0131

■ 41.8910, 37.7925,
68.7055

■ 19.1777, 10.1025,
64.5579

■ 49.1238, 47.3208,
70.1634

■ 16.9593, 7.9363,
64.2567

■ 57.3548, 58.3480,
71.8581

■ 15.3516, 6.6086,
64.0852

■ 66.6219, 70.9364,
73.7994

■ 14.9742, 6.3173,
64.0488

■ 76.9607, 85.1445,
75.9970

■ 85.8653, 95.9481,
77.6130

■ 89.1377, 97.6351,
77.7661

Harmonies

Analogous

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



23.3359, 22.9612, 80.6259



30.2555, 22.9612, 66.4556



35.5552, 22.9612, 42.1123

Triad

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



30.2555, 22.9612, 66.4556



27.1824, 22.9612, 4.3509



11.5564, 22.9612, 29.4781

Complementary

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



30.2555, 22.9612, 66.4556



45.6178, 58.8694, 24.5821

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.



12.1799, 22.9612, 13.2949



30.2555, 22.9612, 66.4556



20.3788, 22.9612, 3.5677

Square

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



30.2555, 22.9612, 66.4556



33.5475, 22.9612, 9.0391



15.1253, 22.9612, 5.8085



13.2098, 22.9612, 53.3700

Rectangle

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



30.2555, 22.9612, 66.4556



36.9617, 22.9612, 27.1060



15.1253, 22.9612, 5.8085



11.5128, 22.9612, 23.0076

Sweetspot

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



30.2564, 22.9621, 66.4561



76.6321, 75.1406, 105.0724



35.3369, 41.1437, 69.6978



15.8529, 15.3505, 22.3774



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.



30.2564, 22.9621, 66.4561



38.0896, 25.7722, 97.5747



41.1129, 28.5588, 66.9642



12.1444, 12.2158, 15.6553



9.1524, 3.8707, 38.7179



0.6399, 0.2787, 2.3394

Inverse Universe

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



41.7738, 29.3617, 46.1133



57.7529, 36.7264, 61.5681



36.2082, 54.0186, 24.1418



12.7617, 12.5562, 14.6854



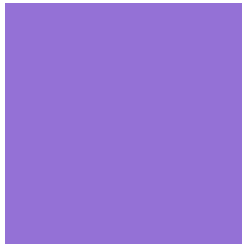
19.6667, 9.8030, 16.0806



1.2245, 0.6066, 1.1718

Previews

White Background



This preview shows how the XYZ color 30.2555, 22.9612, 66.4556 looks on a white background.

Color Contrast Check

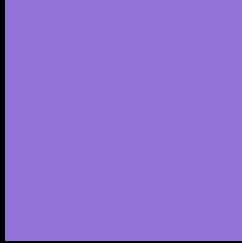
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2555, 22.9612, 66.4556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

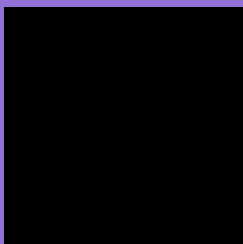
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.2555, 22.9612, 66.4556

Background



This preview shows how black text looks on a background with the XYZ color 30.2555, 22.9612, 66.4556.



This preview shows how white text looks on a background with the XYZ color 30.2555, 22.9612,

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

30.2555, 22.9612, 66.4556

Protanopia

25.9236, 23.3839, 77.2760

Deuteranopia

23.8146, 23.1819, 64.1922



Tritanopia

22.3891, 22.8453, 28.0405

Trichromacy



Original Color

30.2555, 22.9612, 66.4556

Protanomaly

26.8442, 22.7989, 73.5068

Deuteranomaly

25.3982, 22.6216, 64.6558

Tritanomaly

24.6639, 22.6086, 39.6232

Monochromacy



Original Color

30.2555, 22.9612, 66.4556

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

25.1054, 23.4345, 38.3221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2555, 22.9612, 66.4556 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(148, 113, 214)` looks like.

```
.text, #text, p{  
    color:rgb(148, 113, 214)  
}
```

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(148, 113, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 113, 214) }
```

Border

The CSS property to change the border of an element to XYZ 30.2555, 22.9612, 66.4556 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(148, 113, 214) }
```


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

```
.border{ border-color:rgb(148, 113, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 113, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 113, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 113, 214);  
box-shadow:4px 4px 4px 4px rgb(148, 113,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2555, 22.9612, 66.4556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 113, 214) }
```

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

```
.background{ background-color: rgb(148,  
113, 214) }
```

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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