

Converting Colors

XYZ(30.9353, 22.0191, 44.9740)

Have a look what the booklet for
XYZ(30.9353, 22.0191, 44.9740)
contains.

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Color

**XYZ(30.9187, 22.0642,
44.7487)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | B166B2 |
| RGB | 177, 102, 178 |
| RGB Percent | 69%, 40%, 70% |
| CMY | 0.3059, 0.6000, 0.3020 |
| CMYK | 0.01, 0.43, 0.00, 0.30 |
| HSL | 299°, 33%, 55% |
| HSV | 299°, 43%, 70% |
| XYZ | 30.9187, 22.0642, 44.7487 |
| YIQ | 133.0890, 20.3040, 39.5360 |

Conversions

Conversions Part 2

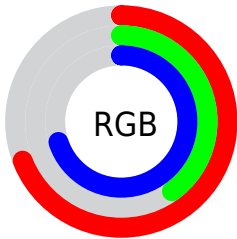
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 177, 102, 178 |
| Decimal | 11626162 |
| CIE Lab | 54.10, 41.74, -27.84 |
| CIE LCh | 54, 50.174, 326.293 |
| Yxy | 22.0642, 0.3164, 0.2258 |
| Android (android.graphics.Color) | 4289816242 (0xFFB166B2) |
| YUV | 133.0890, 22.1411, 38.5099 |
| Hunter-Lab | 46.9725, 35.2920, -23.6022 |

Details

The XYZ color **30.9187, 22.0642, 44.7487** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **23.9129, 35.6842, 18.1988**, and the grayscale version is **22.2442, 23.4026, 25.4854**.

A 20% lighter version of the original color is **60.5043, 46.8756, 83.7009**, and **13.0539, 8.0593, 20.2696** is the 20% darker color. If you saturate the color by 10%, you get **29.3006, 18.9065, 44.2248**, and if you desaturate by 10%, it is **32.9140, 25.9750, 45.3987**.

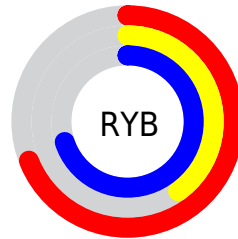
Distribution



Red (69%)

Green (40%)

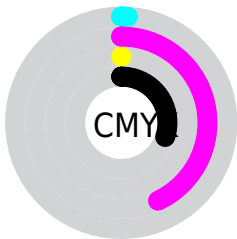
Blue (70%)



Red (69%)

Yellow (40%)

Blue (70%)

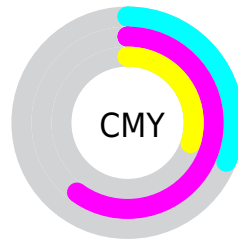


Cyan (1%)

Magenta (43%)

Yellow (0%)

Black (30%)



Cyan (31%)


Magenta (60%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9187, 22.0642, 44.7487 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 30.9187, 22.0642, 44.7487 by changing the saturation by 10% instead.

 30.9187, 22.0642,
44.7487


 30.9187, 22.0642,
44.7487


297.9972,
262.8814, 381.8852

 20.6885, 13.9041,
30.9180

 60.4888, 46.8521,
83.6576


 13.0076, 8.0540,
20.2785


 80.5593, 64.2486,
109.5730

 7.5108, 4.1295,
12.4116


 104.6407, 85.4928,
140.3536

 3.8327, 1.7463,
6.8987

 133.0982,
110.9689, 176.4181

 1.6079, 0.4533,
3.3213

166.2973,
141.0615, 218.1849

 0.3976, 0.0000,
1.2610

204.6032,

 0.0000, 0.0000,

176.1548, 266.0727

0.0295

248.3814,
216.6333, 320.5000

■ 0.0000, 0.0000,
0.0000

■ 30.9187, 22.0642,
44.7487

■ 30.9187, 22.0642,
44.7487

■ 29.3006, 18.9065,
44.2248

■ 32.9140, 25.9750,
45.3987

■ 28.0331, 16.4505,
43.8176

■ 35.3063, 30.6803,
46.1808

■ 27.0899, 14.6430,
43.5184

■ 38.1168, 36.2218,
47.1023

■ 26.4400, 13.4218,
43.3169

■ 41.3645, 42.6375,
48.1695

■ 26.0461, 12.7127,
43.2008

■ 45.0672, 49.9632,
49.3884

■ 25.8636, 12.4049,
43.1510

■ 49.2418, 58.2325,
50.7645

■ 53.9042, 67.4773,
52.3032

■ 59.0698, 77.7282,
54.0095

■ 62.4113, 84.3310,
55.1079

Harmonies

Analogous

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



25.9481, 22.0642, 62.0740



30.9187, 22.0642, 44.7487



33.2205, 22.0642, 26.0112

Triad

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



30.9187, 22.0642, 44.7487



21.6542, 22.0642, 4.8271



12.9298, 22.0642, 39.8651

Complementary

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



30.9187, 22.0642, 44.7487



23.9129, 35.6842, 18.1988

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.



12.1777, 22.0642, 22.1410



30.9187, 22.0642, 44.7487



16.6755, 22.0642, 5.9442

Square

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



30.9187, 22.0642, 44.7487



27.3201, 22.0642, 6.7397



13.4254, 22.0642, 10.9510



15.6913, 22.0642, 58.5019

Rectangle

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



30.9187, 22.0642, 44.7487



32.6830, 22.0642, 16.5695



13.4254, 22.0642, 10.9510



12.4567, 22.0642, 33.4343

Sweetspot

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



30.9194, 22.0652, 44.7492



68.8321, 65.1133, 85.3215



18.3931, 15.7938, 44.1989



14.9895, 13.9123, 18.8176



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



30.9194, 22.0652, 44.7492



53.3484, 34.7019, 80.2675



27.9398, 20.8997, 27.8658



8.8388, 8.6409, 10.7083



18.5100, 8.8781, 30.8750



0.5859, 0.2811, 0.9716

Inverse Universe

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



25.5604, 19.9479, 15.3361



42.3885, 30.3761, 19.9275



26.0414, 36.5224, 30.0020



8.5007, 8.5070, 8.8694



13.1479, 6.7767, 0.6728



0.4152, 0.2138, 0.0290

Previews

White Background



This preview shows how the XYZ color 30.9187, 22.0642, 44.7487 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 30.9187, 22.0642, 44.7487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

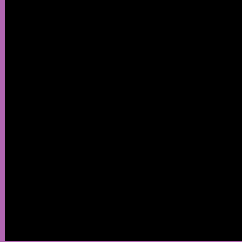
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.9187, 22.0642, 44.7487

Background



This preview shows how black text looks on a background with the XYZ color 30.9187, 22.0642, 44.7487.



This preview shows how white text looks on a background with the XYZ color 30.9187, 22.0642,

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

30.9187, 22.0642, 44.7487

Protanopia

23.6071, 22.2453, 57.0824

Deuteranopia

22.7332, 22.3070, 42.6427



Tritanopia

26.1700, 22.0107, 21.6081

Trichromacy



Original Color

30.9187, 22.0642, 44.7487

Protanomaly

25.2425, 21.5437, 52.1182

Deuteranomaly

24.9822, 21.7778, 43.4443

Tritanomaly

27.7674, 22.0193, 28.7732

Monochromacy



Original Color

30.9187, 22.0642, 44.7487

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.7788, 22.4786, 31.4666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9187, 22.0642, 44.7487 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(177, 102, 178)` looks like.

```
.text, #text, p{  
    color:rgb(177, 102, 178)  
}
```

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(177, 102, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 102, 178) }
```

Border

The CSS property to change the border of an element to XYZ 30.9187, 22.0642, 44.7487 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(177, 102, 178) }
```


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

```
.border{ border-color:rgb(177, 102, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 102, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 102, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 102, 178);  
box-shadow:4px 4px 4px 4px rgb(177, 102,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9187, 22.0642, 44.7487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 102, 178) }
```

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

```
.background{ background-color: rgb(177,  
102, 178) }
```

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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