

Converting Colors

XYZ(22.5780, 20.6013, 37.1727)

Have a look what the booklet for
XYZ(22.5780, 20.6013, 37.1727)
contains.

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Color

**XYZ(22.6341, 20.7078,
36.9865)**

Conversions

Conversions Part 1

Format	Color
Hex	8477A2
RGB	132, 119, 162
RGB Percent	52%, 47%, 64%
CMY	0.4823, 0.5333, 0.3647
CMYK	0.19, 0.27, 0.00, 0.36
HSL	258°, 19%, 55%
HSV	258°, 27%, 64%
XYZ	22.6341, 20.7078, 36.9865
YIQ	127.7890, -6.0550, 16.1290

Conversions

Conversions Part 2

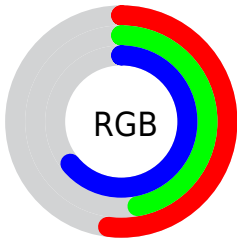
Format	Color
R_{YB}	132, 119, 162
Decimal	8681378
CIE _{Lab}	52.63, 14.11, -21.22
CIE _{LCh}	53, 25.484, 303.608
Yxy	20.7078, 0.2818, 0.2578
Android (android.graphics.Color)	4286871458 (0xFF8477A2)
YUV	127.7890, 16.8660, 3.6930
Hunter-Lab	45.5058, 9.1488, -16.3360

Details

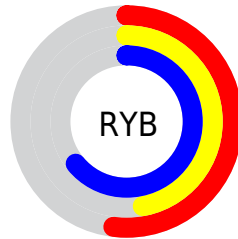
The XYZ color **22.6341, 20.7078, 36.9865** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.6452, 33.5627, 22.4221**, and the grayscale version is **20.3903, 21.4521, 23.3614**.

A 20% lighter version of the original color is **47.3370, 44.5747, 71.7545**, and **8.5474, 7.4261, 15.7347** is the 20% darker color. If you saturate the color by 10%, you get **19.1953, 16.3132, 36.3198**, and if you desaturate by 10%, it is **26.5944, 25.8601, 37.7726**.

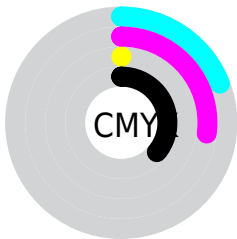
Distribution



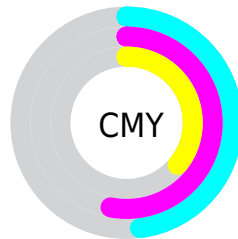
- Red (52%)
- Green (47%)
- Blue (64%)



- Red (52%)
- Yellow (47%)
- Blue (64%)



- Cyan (19%)
- Magenta (27%)
- Yellow (0%)
- Black (36%)



- Cyan (48%)
- Magenta (53%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6341, 20.7078, 36.9865 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 22.6341, 20.7078, 36.9865 by changing the saturation by 10% instead.

■ 22.6341, 20.7078,
36.9865

■ 22.6341, 20.7078,
36.9865

258.4106,
255.7215, 348.4190

■ 14.4428, 12.9106,
24.9013

■ 47.2629, 44.6007,
71.7381

■ 8.5130, 7.3670,
15.7852

■ 64.4311, 61.4652,
95.2416

■ 4.4795, 3.6927,
9.2196

■ 85.3223, 82.1209,
123.3884

■ 1.9768, 1.5032,
4.7859

110.3018,
106.9522, 156.5969

■ 0.6209, 0.2910,
2.0657

139.7351,
136.3436, 195.2856

■ 0.0000, 0.0000,
0.5952

173.9874,

■ 0.0000, 0.0000,

170.6793, 239.8732

0.0000

213.4241,
210.3438, 290.7782

■ 22.6341, 20.7078,
36.9865

■ 22.6341, 20.7078,
36.9865

■ 19.1953, 16.3132,
36.3198

■ 26.5944, 25.8601,
37.7726

■ 16.2533, 12.6373,
35.7654

■ 31.0955, 31.8015,
38.6822

■ 13.7842, 9.6414,
35.3172

■ 36.1580, 38.5648,
39.7208

■ 11.7612, 7.2821,
34.9685

■ 41.8011, 46.1800,
40.8932

■ 10.1548, 5.5107,
34.7112

■ 48.0428, 54.6756,
42.2041

■ 8.9312, 4.2712,
34.5365

■ 54.9003, 64.0789,
43.6577

■ 8.0445, 3.4840,
34.4313

■ 62.3904, 74.4159,
45.2582

■ 7.7870, 3.2610,
34.4018

■ 70.5288, 85.7116,
47.0095

■ 76.1233, 91.5747,
47.8463

Harmonies

Analogous

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



20.0040, 20.7078, 40.4354



22.6341, 20.7078, 36.9865



24.5994, 20.7078, 29.6626

Triad

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



22.6341, 20.7078, 36.9865



22.0309, 20.7078, 11.8533



15.0295, 20.7078, 23.4766

Complementary

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



22.6341, 20.7078, 36.9865



28.6452, 33.5627, 22.4221

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.



15.4682, 20.7078, 16.6718



22.6341, 20.7078, 36.9865



19.3637, 20.7078, 10.9093

Square

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



22.6341, 20.7078, 36.9865



24.2298, 20.7078, 15.4068



16.9987, 20.7078, 12.4606



15.7424, 20.7078, 31.6103

Rectangle

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



22.6341, 20.7078, 36.9865



25.1824, 20.7078, 24.2083



16.9987, 20.7078, 12.4606



15.0475, 20.7078, 20.9641

Sweetspot

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



22.6348, 20.7086, 36.9870



55.0673, 55.8967, 69.9429



24.8933, 28.0578, 38.2865



12.0921, 12.1889, 15.6529



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.6348, 20.7086, 36.9870



37.1928, 32.5935, 66.3870



26.3315, 22.6144, 37.1600



6.8925, 6.9589, 8.8830



6.1740, 2.5893, 27.1042



0.1755, 0.0780, 0.5717

Inverse Universe

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



26.9226, 23.0458, 31.4640



46.4353, 37.6373, 54.2087



25.0928, 31.7313, 22.2559



7.2727, 7.1655, 8.4223



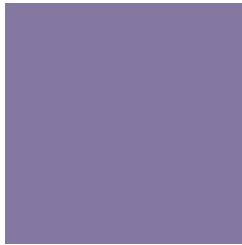
14.1079, 6.9992, 13.0248



0.3158, 0.1548, 0.3758

Previews

White Background



This preview shows how the XYZ color 22.6341, 20.7078, 36.9865 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 22.6341, 20.7078, 36.9865 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 22.6341, 20.7078, 36.9865

Background



This preview shows how black text looks on a background with the XYZ color 22.6341, 20.7078, 36.9865.



This preview shows how white text looks on a background with the XYZ color 22.6341, 20.7078,

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

22.6341, 20.7078, 36.9865

Protanopia

21.0300, 20.7459, 38.9723

Deuteranopia

21.1237, 20.6611, 36.5929



Tritanopia

20.2631, 20.6486, 25.4718

Trichromacy



Original Color

22.6341, 20.7078, 36.9865

Protanomaly

21.6362, 20.7006, 38.4526

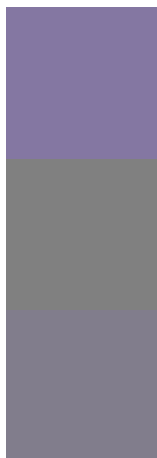
Deuteranomaly

21.7047, 20.7774, 36.5847

Tritanomaly

21.0468, 20.5998, 29.2524

Monochromacy



Original Color

22.6341, 20.7078, 36.9865

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.1205, 21.2278, 27.7951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6341, 20.7078, 36.9865 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(132, 119, 162)` looks like.

```
.text, #text, p{  
    color:rgb(132, 119, 162)  
}
```

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(132, 119, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 119, 162) }
```

Border

The CSS property to change the border of an element to XYZ 22.6341, 20.7078, 36.9865 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(132, 119, 162) }
```


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

```
.border{ border-color:rgb(132, 119, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 119, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 119, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 119, 162);  
box-shadow:4px 4px 4px 4px rgb(132, 119,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6341, 20.7078, 36.9865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 119, 162) }
```

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

```
.background{ background-color: rgb(132,  
119, 162) }
```

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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