

Converting Colors

XYZ(32.6570, 22.7942, 40.9791)

Have a look what the booklet for
XYZ(32.6570, 22.7942, 40.9791)
contains.

XYZ(32.6469, 22.7460, 41.1978)	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(32.6469, 22.7460,
41.1978)**

Conversions

Conversions Part 1

Format	Color
Hex	BC64AB
RGB	188, 100, 171
RGB Percent	74%, 39%, 67%
CMY	0.2627, 0.6078, 0.3294
CMYK	0.00, 0.47, 0.09, 0.26
HSL	312°, 40%, 56%
HSV	312°, 47%, 74%
XYZ	32.6469, 22.7460, 41.1978
YIQ	134.4060, 29.6570, 40.7370

Conversions

Conversions Part 2

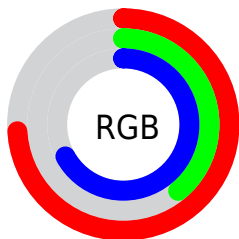
Format	Color
RYB	188, 100, 171
Decimal	12346539
CIELab	54.81, 44.95, -22.57
CIELCh	55, 50.297, 333.338
Yxy	22.7460, 0.3380, 0.2355
Android (android.graphics.Color)	4290536619 (0xFFBC64AB)
YUV	134.4060, 18.0408, 47.0019
Hunter-Lab	47.6928, 38.7254, -17.8307

Details

The XYZ color **32.6469, 22.7460, 41.1978** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **26.4507, 39.9609, 23.1503**, and the grayscale version is **22.7381, 23.9222, 26.0513**.

A 20% lighter version of the original color is **63.1247, 47.8663, 77.8636**, and **14.0596, 8.4324, 18.3393** is the 20% darker color. If you saturate the color by 10%, you get **30.7061, 19.4105, 38.8663**, and if you desaturate by 10%, it is **35.0147, 26.9195, 43.7190**.

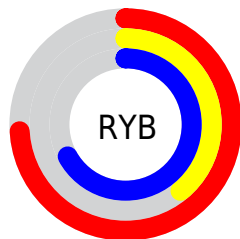
Distribution



Red (74%)

Green (39%)

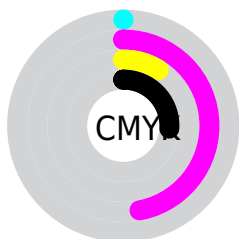
Blue (67%)



Red (74%)

Yellow (39%)

Blue (67%)

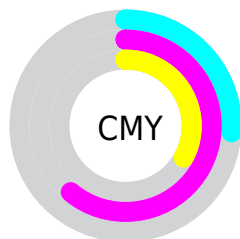


Cyan (0%)

Magenta (47%)

Yellow (9%)

Black (26%)



Cyan (26%)


Magenta (61%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6469, 22.7460, 41.1978 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 32.6469, 22.7460, 41.1978 by changing the saturation by 10% instead.

 32.6469, 22.7460,
41.1978


 32.6469, 22.7460,
41.1978


305.7488,
266.4177, 366.8477


 22.0140, 14.4061,
28.1528


 63.1822, 47.9759,
78.2410


 13.9839, 8.4036,
18.2008


 83.8154, 65.6347,
103.0763

 8.1911, 4.3543,
10.9233

 108.5127, 87.1686,
132.6788

 4.2703, 1.8737,
5.9018

 137.6395,
112.9619, 167.4670

 1.8562, 0.5325,
2.7176

171.5612,
143.3991, 207.8594

 0.5512, 0.0000,
0.9523

210.6430,

 0.0000, 0.0000,

178.8645, 254.2747

0.0000

255.2505,
219.7426, 307.1313

■ 32.6469, 22.7460,
41.1978

■ 32.6469, 22.7460,
41.1978

■ 30.7061, 19.4105,
38.8663

■ 35.0147, 26.9195,
43.7190

■ 29.1610, 16.8517,
36.7130

■ 37.8337, 31.9803,
46.4377

■ 27.9796, 15.0052,
34.7272


■ 41.1286, 37.9777,
49.3628


■ 27.1236, 13.7947,
32.8957


■ 44.9221, 44.9565,
52.5020


■ 26.5410, 13.1165,
31.2007


■ 49.2350, 52.9585,
55.8628

 26.3806, 12.9480,
30.6774

 54.0871, 62.0232,
59.4520

 59.4972, 72.1877,
63.2764

 65.4830, 83.4878,
67.3420

 67.3611, 86.5562,
70.0882

Harmonies

Analogous

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



28.0415, 22.7460, 60.1514



32.6469, 22.7460, 41.1978



34.1411, 22.7460, 23.0265

Triad

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



32.6469, 22.7460, 41.1978



21.0030, 22.7460, 5.0533



13.8629, 22.7460, 45.6858

Complementary

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



32.6469, 22.7460, 41.1978



26.4507, 39.9609, 23.1503

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.



12.6084, 22.7460, 26.5920



32.6469, 22.7460, 41.1978



16.2613, 22.7460, 6.9856

Square

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



32.6469, 22.7460, 41.1978



26.7788, 22.7460, 6.2467



13.4053, 22.7460, 13.4138



17.1692, 22.7460, 63.4298

Rectangle

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



32.6469, 22.7460, 41.1978



32.9930, 22.7460, 14.5115



13.4053, 22.7460, 13.4138



13.2157, 22.7460, 38.9799

Sweetspot

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



32.6476, 22.7471, 41.1983



76.2225, 71.9144, 90.8903



20.8556, 16.4686, 49.6570



16.0868, 14.9066, 19.2876



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



32.6476, 22.7471, 41.1983



55.6149, 35.1195, 70.3938



29.1846, 21.3619, 22.9624



9.8488, 9.6638, 11.5927



17.9873, 8.8261, 21.0248



0.7252, 0.3540, 0.9323

Inverse Universe

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



32.6476, 22.7471, 41.1983



55.6149, 35.1195, 70.3938



29.5965, 41.2192, 39.7161



9.8488, 9.6638, 11.5927



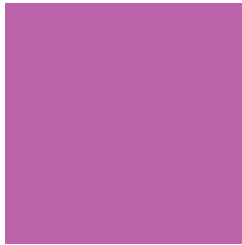
17.9873, 8.8261, 21.0248



0.7252, 0.3540, 0.9323

Previews

White Background



This preview shows how the XYZ color 32.6469, 22.7460, 41.1978 looks on a white background.

Color Contrast Check

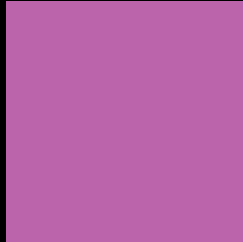
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.6469, 22.7460, 41.1978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

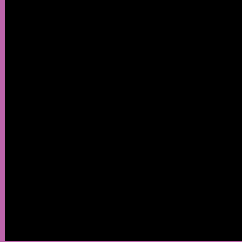
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.6469, 22.7460, 41.1978

Background



This preview shows how black text looks on a background with the XYZ color 32.6469, 22.7460, 41.1978.



This preview shows how white text looks on a background with the XYZ color 32.6469, 22.7460,

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

32.6469, 22.7460, 41.1978

Protanopia

24.1506, 23.1753, 54.2393

Deuteranopia

23.4856, 22.9657, 39.2714



Tritanopia

28.3660, 22.6700, 20.6500

Trichromacy



Original Color

32.6469, 22.7460, 41.1978

Protanomaly

25.9410, 22.1421, 49.3610

Deuteranomaly

25.9407, 22.1736, 39.9585

Tritanomaly

29.6851, 22.5698, 27.2179

Monochromacy



Original Color

32.6469, 22.7460, 41.1978

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.5524, 22.8957, 30.6763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6469, 22.7460, 41.1978 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(188, 100, 171)` looks like.

```
.text, #text, p{  
    color:rgb(188, 100, 171)  
}
```

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(188, 100, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 100, 171) }
```

Border

The CSS property to change the border of an element to XYZ 32.6469, 22.7460, 41.1978 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(188, 100, 171) }
```


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

```
.border{ border-color:rgb(188, 100, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 100, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 100, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 100, 171);  
box-shadow:4px 4px 4px 4px rgb(188, 100,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6469, 22.7460, 41.1978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 100, 171) }
```

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

```
.background{ background-color: rgb(188,  
100, 171) }
```

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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