

Converting Colors

XYZ(32.0600, 20.5705, 45.5716)

Have a look what the booklet for
XYZ(32.0600, 20.5705, 45.5716)
contains.

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Color

**XYZ(32.0595, 20.5157,
45.4502)**

Conversions

Conversions Part 1

Format	Color
Hex	BB56B4
RGB	187, 86, 180
RGB Percent	73%, 34%, 71%
CMY	0.2667, 0.6627, 0.2941
CMYK	0.00, 0.54, 0.04, 0.27
HSL	304°, 43%, 54%
HSV	304°, 54%, 73%
XYZ	32.0595, 20.5157, 45.4502
YIQ	126.9150, 30.0220, 50.6460

Conversions

Conversions Part 2

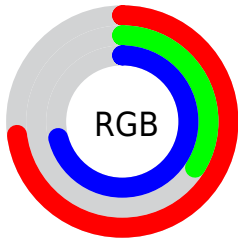
Format	Color
R _{YB}	187, 86, 180
Decimal	12277428
CIE _{Lab}	52.42, 53.16, -31.51
CIE _{LCh}	52, 61.796, 329.339
Yxy	20.5157, 0.3271, 0.2093
Android (android.graphics.Color)	4290467508 (0xFFBB56B4)
YUV	126.9150, 26.1709, 52.6945
Hunter-Lab	45.2943, 47.0782, -27.7881

Details

The XYZ color **32.0595, 20.5157, 45.4502** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **23.5848, 38.3101, 16.5088**, and the grayscale version is **20.0503, 21.0945, 22.9719**.

A 20% lighter version of the original color is **62.1746, 44.2248, 84.6162**, and **13.6551, 7.2861, 20.7653** is the 20% darker color. If you saturate the color by 10%, you get **30.6259, 17.8583, 44.3240**, and if you desaturate by 10%, it is **33.8863, 23.9565, 46.7139**.

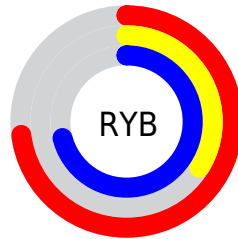
Distribution



Red (73%)

Green (34%)

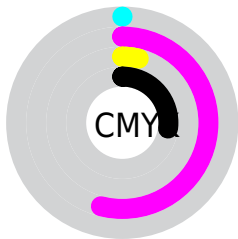
Blue (71%)



Red (73%)

Yellow (34%)

Blue (71%)

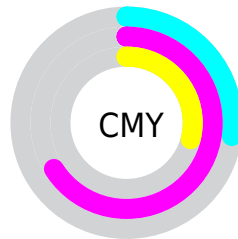


Cyan (0%)

Magenta (54%)

Yellow (4%)

Black (27%)



Cyan (27%)

Magenta (66%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0595, 20.5157, 45.4502 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 32.0595, 20.5157, 45.4502 by changing the saturation by 10% instead.

32.0595, 20.5157,
45.4502

32.0595, 20.5157,
45.4502

303.1307,
254.6934, 384.8070

21.5627, 12.7705,
31.4667

62.2689, 44.2801,
84.7212

13.6507, 7.2707,
20.6930

82.7123, 61.0681,
110.8457

7.9582, 3.6319,
12.7107

107.2018, 81.6391,
141.8542

4.1198, 1.4699,
7.1013

136.1030,
106.3775, 178.1654

1.7701, 0.2674,
3.4461

169.7811,
135.6678, 220.1977

0.4996, 0.0000,
1.3267

208.6015,

0.0000, 0.0000,

169.8942, 268.3698

0.0835

252.9296,
209.4413, 323.1000

■ 0.0000, 0.0000,
0.0000

■ 32.0595, 20.5157,
45.4502

■ 32.0595, 20.5157,
45.4502

■ 30.6259, 17.8583,
44.3240

■ 33.8863, 23.9565,
46.7139

■ 29.5522, 15.9193,
43.3237

■ 36.1320, 28.2336,
48.1231

■ 28.8032, 14.6277,
42.4377

■ 38.8225, 33.3984,
49.6868

■ 28.3355, 13.8969,
41.6516

■ 41.9812, 39.4974,
51.4126

■ 28.1375, 13.6224,
41.2108

■ 45.6296, 46.5739,
53.3078

■ 49.7880, 54.6685,
55.3793

■ 54.4757, 63.8195,
57.6333

■ 59.7106, 74.0631,
60.0759

■ 65.5102, 85.4339,
62.7130

Harmonies

Analogous

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



26.1439, 20.5157, 69.0470



32.0595, 20.5157, 45.4502



34.5053, 20.5157, 22.7453

Triad

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



32.0595, 20.5157, 45.4502



19.6412, 20.5157, 2.4115



10.6466, 20.5157, 44.3339

Complementary

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



32.0595, 20.5157, 45.4502



23.5848, 38.3101, 16.5088

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.



9.6308, 20.5157, 21.9358



32.0595, 20.5157, 45.4502



14.0887, 20.5157, 3.5826

Square

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



32.0595, 20.5157, 45.4502



26.4427, 20.5157, 3.7034



10.7412, 20.5157, 8.7919



13.8925, 20.5157, 68.1918

Rectangle

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



32.0595, 20.5157, 45.4502



33.5043, 20.5157, 12.6121



10.7412, 20.5157, 8.7919



10.0690, 20.5157, 36.0983

Sweetspot

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



32.0602, 20.5166, 45.4506



73.8390, 68.1305, 91.3572



16.7857, 12.5578, 48.5534



15.9965, 14.4931, 19.9754



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.



32.0602, 20.5166, 45.4506



54.4069, 31.1736, 78.9997



27.8358, 18.8269, 23.2051



9.9006, 9.6846, 11.8658



19.3978, 9.3903, 28.4521



0.7685, 0.3713, 1.1601

Inverse Universe

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



32.0602, 20.5166, 45.4506



54.4069, 31.1736, 78.9997



26.5846, 39.5100, 32.3055



9.9006, 9.6846, 11.8658



19.3978, 9.3903, 28.4521



0.7685, 0.3713, 1.1601

Previews

White Background



This preview shows how the XYZ color 32.0595, 20.5157, 45.4502 looks on a white background.

Color Contrast Check

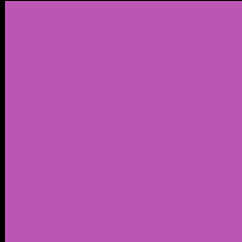
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.0595, 20.5157, 45.4502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

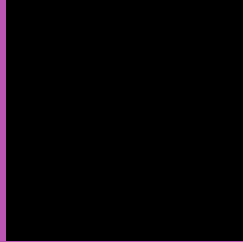
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.0595, 20.5157, 45.4502

Background



This preview shows how black text looks on a background with the XYZ color 32.0595, 20.5157, 45.4502.



This preview shows how white text looks on a background with the XYZ color 32.0595, 20.5157,

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

32.0595, 20.5157, 45.4502

Protanopia

22.8653, 20.9438, 64.4654

Deuteranopia

21.1809, 20.7474, 42.4235



Tritanopia

26.3099, 20.4319, 17.5960

Trichromacy



Original Color

32.0595, 20.5157, 45.4502



Protanomaly

24.3134, 19.6071, 57.1467



Deuteranomaly

23.8936, 19.6897, 43.6155



Tritanomaly

28.0100, 20.2720, 25.7292

Monochromacy



Original Color

32.0595, 20.5157, 45.4502



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

23.3769, 20.0532, 29.8327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0595, 20.5157, 45.4502 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(187, 86, 180)` looks like.

```
.text, #text, p{  
    color:rgb(187, 86, 180)  
}
```

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(187, 86, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 86, 180) }
```

Border

The CSS property to change the border of an element to XYZ 32.0595, 20.5157, 45.4502 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(187, 86, 180) }
```


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

```
.border{ border-color:rgb(187, 86, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 86, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 86, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 86, 180); box-shadow:4px 4px 4px 4px rgb(187, 86, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0595, 20.5157, 45.4502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 86, 180) }
```

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

```
.background{ background-color: rgb(187, 86,  
180) }
```

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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