

Converting Colors

XYZ(25.9524, 20.7191, 4.8362)

Have a look what the booklet for
XYZ(25.9524, 20.7191, 4.8362)
contains.

XYZ(25.8617, 20.6326, 4.8099)	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(25.8617, 20.6326,
4.8099)**

Conversions

Conversions Part 1

Format	Color
Hex	BB682A
RGB	187, 104, 42
RGB Percent	73%, 41%, 16%
CMY	0.2667, 0.5921, 0.8353
CMYK	0.00, 0.44, 0.78, 0.27
HSL	26°, 63%, 45%
HSV	26°, 78%, 73%
XYZ	25.8617, 20.6326, 4.8099
YIQ	121.7490, 69.3700, -1.6860

Conversions

Conversions Part 2

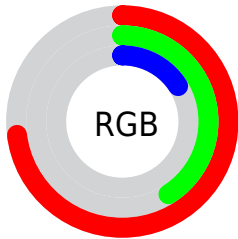
Format	Color
R_{YB}	187, 150, 42
Decimal	12281898
CIE Lab	52.55, 28.55, 47.48
CIE LCh	53, 55.401, 58.985
Yxy	20.6326, 0.5041, 0.4022
Android (android.graphics.Color)	4290471978 (0xFFBB682A)
YUV	121.7490, -39.3163, 57.2251
Hunter-Lab	45.4231, 22.1387, 25.5179

Details

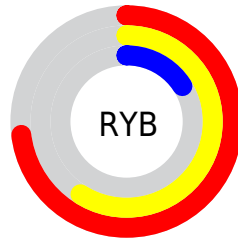
The XYZ color **25.8617, 20.6326, 4.8099** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **17.2574, 18.7460, 49.7220**, and the grayscale version is **18.5257, 19.4904, 21.2251**.

A 20% lighter version of the original color is **52.5316, 44.5061, 15.9470**, and **10.2683, 7.3216, 0.8720** is the 20% darker color. If you saturate the color by 10%, you get **24.5920, 18.5097, 3.1032**, and if you desaturate by 10%, it is **27.4252, 23.0937, 7.3849**.

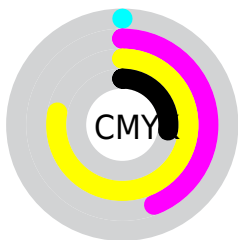
Distribution



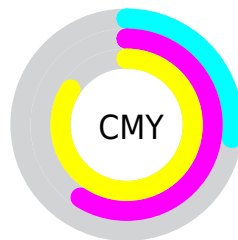
- Red (73%)
- Green (41%)
- Blue (16%)



- Red (73%)
- Yellow (59%)
- Blue (16%)



- Cyan (0%)
- Magenta (44%)
- Yellow (78%)
- Black (27%)





- Cyan (27%)
- Magenta (59%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8617, 20.6326, 4.8099 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 25.8617, 20.6326, 4.8099 by changing the saturation by 10% instead.


 25.8617, 20.6326,
4.8099


 25.8617, 20.6326,
4.8099


274.3717,
255.3195, 156.8419


 16.8523, 12.8557,
2.0794


 52.4846, 44.4753,
15.8383


 10.2239, 7.3293,
0.6035


 70.8289, 61.3098,
24.9733


 5.6111, 3.6689,
0.0000

 93.0156, 81.9324,
37.0802

 2.6485, 1.4901,
0.0000

 119.4100,
106.7274, 52.5775

 0.9707, 0.2818,
0.0000

 150.3774,
136.0793, 71.8838

 0.0000, 0.0000,
0.0000

 186.2833,

170.3723, 95.4176

227.4929,
209.9909, 123.5974

■ 25.8617, 20.6326,
4.8099

■ 25.8617, 20.6326,
4.8099

■ 24.5920, 18.5097,
3.1032

■ 27.4252, 23.0937,
7.3849

■ 23.5812, 16.7001,
2.1127

■ 29.3052, 25.9070,
10.9300

■ 23.3594, 16.2969,
1.9144

■ 31.5232, 29.0895,
15.5338

■ 34.0982, 32.6557,
21.2745

■ 37.0475, 36.6194,
28.2228

■ 40.3873, 40.9934,
36.4437

■ 44.1326, 45.7900,
45.9973

■ 48.2977, 51.0210,
56.9402

■ 52.8960, 56.6975,
69.3253

Harmonies

Analogous

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



30.9300, 20.6326, 10.3699



25.8617, 20.6326, 4.8099



19.8067, 20.6326, 3.3691

Triad

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



25.8617, 20.6326, 4.8099



10.5194, 20.6326, 21.9106



25.4570, 20.6326, 62.9838

Complementary

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



25.8617, 20.6326, 4.8099



17.2574, 18.7460, 49.7220

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.



19.4160, 20.6326, 71.1737



25.8617, 20.6326, 4.8099



11.4570, 20.6326, 41.5167

Square

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



25.8617, 20.6326, 4.8099



11.5941, 20.6326, 9.8019



14.4580, 20.6326, 61.8781



30.6660, 20.6326, 42.9931

Rectangle

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



25.8617, 20.6326, 4.8099



16.2362, 20.6326, 3.8764



14.4580, 20.6326, 61.8781



23.4230, 20.6326, 67.5407

Sweetspot

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



25.8622, 20.6337, 4.8103



68.7587, 68.7598, 56.3997



25.1250, 13.7422, 21.2649



14.6783, 14.5310, 11.2915



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.



25.8622, 20.6337, 4.8103



42.7431, 30.8387, 4.2282



36.2249, 41.3591, 8.2645



9.8566, 10.1891, 10.0238



16.1637, 11.3661, 1.3420



0.6981, 0.5752, 0.0742

Inverse Universe

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



17.2574, 18.7460, 49.7220



26.5600, 27.0746, 88.0275



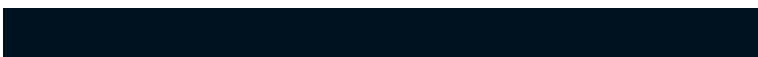
11.2476, 6.7263, 47.7187



9.4575, 10.1074, 12.1247



9.8780, 9.8678, 33.7769



0.4506, 0.5139, 1.3443

Previews

White Background



This preview shows how the XYZ color 25.8617, 20.6326, 4.8099 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 25.8617, 20.6326, 4.8099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

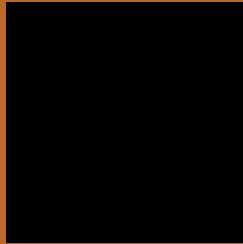
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.8617, 20.6326, 4.8099

Background



This preview shows how black text looks on a background with the XYZ color 25.8617, 20.6326, 4.8099.



This preview shows how white text looks on a background with the XYZ color 25.8617, 20.6326,

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

25.8617, 20.6326, 4.8099

Protanopia

18.8096, 20.7106, 5.8025

Deuteranopia

21.1510, 20.8356, 4.6572



Tritanopia

28.1527, 20.7024, 15.8768

Trichromacy



Original Color

25.8617, 20.6326, 4.8099

Protanomaly

20.8762, 20.3222, 5.4071

Deuteranomaly

22.7457, 20.6161, 4.6999

Tritanomaly

27.0664, 20.5424, 10.5212

Monochromacy



Original Color

25.8617, 20.6326, 4.8099

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.9606, 19.1628, 13.0027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8617, 20.6326, 4.8099 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, 104, 42)` looks like.

```
.text, #text, p{  
    color:rgb(187, 104, 42)  
}
```

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, 104, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 104, 42) }
```

Border

The CSS property to change the border of an element to XYZ 25.8617, 20.6326, 4.8099 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, 104, 42) }
```


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

```
.border{ border-color:rgb(187, 104, 42) }
```

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

Here you see how a box with a 4 pixel rgb(187, 104, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 104, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 104, 42);  
box-shadow:4px 4px 4px 4px rgb(187, 104,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8617, 20.6326, 4.8099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 104, 42) }
```

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

```
.background{ background-color: rgb(187,  
104, 42) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor