

# Converting Colors

XYZ(25.0516, 18.2019, 7.5584)

Have a look what the booklet for  
XYZ(25.0516, 18.2019, 7.5584)  
contains.

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# Color

**XYZ(25.1628, 18.2824,  
7.5128)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB5A43
RGB	187, 90, 67
RGB Percent	73%, 35%, 26%
CMY	0.2667, 0.6470, 0.7373
CMYK	0.00, 0.52, 0.64, 0.27
HSL	12°, 47%, 50%
HSV	12°, 64%, 73%
XYZ	25.1628, 18.2824, 7.5128
YIQ	116.3810, 65.1950, 13.4110

# Conversions

## Conversions Part 2

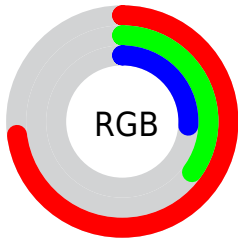
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 95, 67
Decimal	12278339
CIELab	49.84, 37.27, 31.48
CIELCh	50, 48.789, 40.184
Yxy	18.2824, 0.4938, 0.3588
Android (android.graphics.Color)	4290468419 (0xFFBB5A43)
YUV	116.3810, -24.3448, 61.9329
Hunter-Lab	42.7579, 30.2199, 19.5130

# Details

The XYZ color **25.1628, 18.2824, 7.5128** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **24.5588, 31.3299, 51.7663**, and the grayscale version is **16.7766, 17.6502, 19.2211**.

A 20% lighter version of the original color is **51.1832, 40.3811, 21.6197**, and **9.8155, 6.1686, 1.4839** is the 20% darker color. If you saturate the color by 10%, you get **23.5418, 15.7981, 4.6375**, and if you desaturate by 10%, it is **27.2250, 21.3597, 11.4289**.

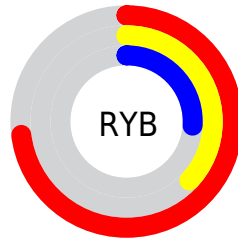
# Distribution



Red (73%)

Green (35%)

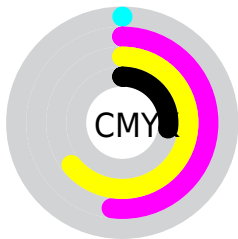
Blue (26%)



Red (73%)

Yellow (37%)

Blue (26%)

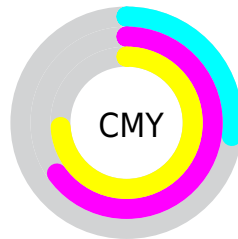


Cyan (0%)

Magenta (52%)

Yellow (64%)

Black (27%)



Cyan (27%)

Magenta (65%)

Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1628, 18.2824, 7.5128 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 25.1628, 18.2824, 7.5128 by changing the saturation by 10% instead.



25.1628, 18.2824,  
7.5128

25.1628, 18.2824,  
7.5128

270.9804,  
242.4580, 181.6486

16.3278, 11.1529,  
3.7015

51.3622, 40.5179,  
21.5278

9.8487, 6.1698,  
1.4631

69.4573, 56.3928,  
32.5687

5.3603, 2.9486,  
0.1902

91.3698, 75.9516,  
46.8565

2.4971, 1.1050,  
0.0000

117.4650, 99.5787,  
64.8098

0.8938, 0.0000,  
0.0000

148.1083,  
127.6585, 86.8471

0.0000, 0.0000,  
0.0000

183.6651,

160.5753, 113.3870

224.5007,  
198.7137, 144.8480

■ 25.1628, 18.2824,  
7.5128

■ 25.1628, 18.2824,  
7.5128

■ 23.5418, 15.7981,  
4.6375

■ 27.2250, 21.3597,  
11.4289

■ 22.3268, 13.8648,  
2.7012

■ 29.7574, 25.0622,  
16.4728

■ 21.4787, 12.4397,  
1.5827

■ 32.7879, 29.4234,  
22.7231

■ 21.1197, 11.8175,  
1.1679

■ 36.3418, 34.4734,  
30.2514

■ 40.4426, 40.2406,  
39.1234

■ 45.1124, 46.7516,  
49.4005

■ 50.3722, 54.0318,  
61.1402

■ 56.2416, 62.1052,  
74.3967

■ 62.7396, 70.9949,  
89.2216

# Harmonies

## Analogous

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



27.7752, 18.2824, 15.7041



25.1628, 18.2824, 7.5128



20.5957, 18.2824, 4.2066

# Triad

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



25.1628, 18.2824, 7.5128



10.2353, 18.2824, 12.4112



19.0102, 18.2824, 57.3650

# Complementary

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



25.1628, 18.2824, 7.5128



24.5588, 31.3299, 51.7663

# 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.



14.5122, 18.2824, 55.1356



25.1628, 18.2824, 7.5128



9.9640, 18.2824, 24.7985

# Square

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



25.1628, 18.2824, 7.5128



12.2116, 18.2824, 6.0310



11.3897, 18.2824, 41.4867



23.8252, 18.2824, 46.6603



# Rectangle

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



25.1628, 18.2824, 7.5128



17.3481, 18.2824, 3.6902



11.3897, 18.2824, 41.4867



17.4057, 18.2824, 58.1876

# Sweetspot

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



25.1632, 18.2834, 7.5131



68.5355, 66.6021, 61.6007



29.2921, 17.2957, 37.3917



14.6375, 14.0259, 12.5839



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.



25.1632, 18.2834, 7.5131



41.1929, 26.7685, 6.7010



32.2540, 32.4648, 9.8767



9.6743, 9.8245, 9.9631



14.5924, 8.2236, 0.8182



0.6168, 0.4125, 0.0471



# Inverse Universe

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



24.5588, 31.3299, 51.7663



39.8689, 51.6369, 92.0670



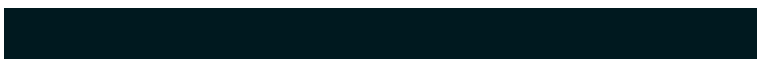
16.3360, 14.8844, 49.0254



9.6489, 10.4902, 12.1885



13.8720, 17.8557, 35.1083



0.5840, 0.7808, 1.3888



# Previews

## White Background



This preview shows how the XYZ color 25.1628, 18.2824, 7.5128 looks on a white 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



# Black Background



This preview shows how the XYZ color 25.1628, 18.2824, 7.5128 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 25.1628, 18.2824, 7.5128**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.1628, 18.2824, 7.5128.



This preview shows how white text looks on a background with the XYZ color 25.1628, 18.2824,



# 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

25.1628, 18.2824, 7.5128

### Protanopia

17.0252, 18.4108, 9.8640

### Deuteranopia

18.6287, 18.2690, 7.1019



## Tritanopia

26.1230, 18.2981, 12.5110

# Trichromacy



## Original Color

25.1628, 18.2824, 7.5128

## Protanomaly

19.1763, 17.7036, 8.8850

## Deuteranomaly

20.6749, 18.0504, 7.2449

## Tritanomaly

25.8290, 18.3109, 10.5605

# Monochromacy



## Original Color

25.1628, 18.2824, 7.5128

## Achromatopsia

16.6002, 17.4647, 19.0191

## Achromatomaly

18.6176, 17.1480, 13.8839

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.1628, 18.2824, 7.5128 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, 90, 67)` looks like.

```
.text, #text, p{  
    color:rgb(187, 90, 67)  
}
```

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, 90, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 90, 67) }
```

## Border

The CSS property to change the border of an element to XYZ 25.1628, 18.2824, 7.5128 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, 90, 67) }
```



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

```
.border{ border-color:rgb(187, 90, 67) }
```

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

Here you see how a box with a 4 pixel rgb(187, 90, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 90, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 90, 67);  
box-shadow:4px 4px 4px 4px rgb(187, 90,  
67) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.1628, 18.2824, 7.5128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 90, 67) }
```

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

```
.background{ background-color: rgb(187, 90,  
67) }
```

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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