

Converting Colors

XYZ(27.7646, 25.0625, 8.1900)

Have a look what the booklet for
XYZ(27.7646, 25.0625, 8.1900)
contains.

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Color

**XYZ(27.7875, 25.1047,
8.2316)**

Conversions

Conversions Part 1

Format	Color
Hex	B77D40
RGB	183, 125, 64
RGB Percent	72%, 49%, 25%
CMY	0.2824, 0.5098, 0.7490
CMYK	0.00, 0.32, 0.65, 0.28
HSL	31°, 48%, 48%
HSV	31°, 65%, 72%
XYZ	27.7875, 25.1047, 8.2316
YIQ	135.3880, 54.1490, -6.6750

Conversions

Conversions Part 2

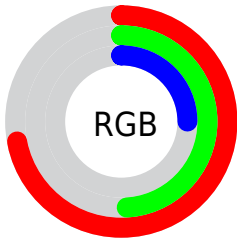
Format	Color
R _{YB}	177, 183, 64
Decimal	12025152
CIE Lab	57.18, 16.43, 41.60
CIE LCh	57, 44.727, 68.449
Yxy	25.1047, 0.4546, 0.4107
Android (android.graphics.Color)	4290215232 (0xFFB77D40)
YUV	135.3880, -35.1943, 41.7557
Hunter-Lab	50.1046, 11.3113, 25.3326

Details

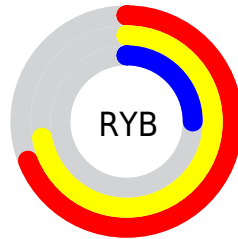
The XYZ color **27.7875, 25.1047, 8.2316** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.6207, 18.4270, 47.4276**, and the grayscale version is **23.2867, 24.4994, 26.6799**.

A 20% lighter version of the original color is **55.5756, 51.9329, 23.0145**, and **11.2748, 9.6390, 1.7182** is the 20% darker color. If you saturate the color by 10%, you get **26.2710, 22.7729, 5.5650**, and if you desaturate by 10%, it is **29.5774, 27.7102, 11.8327**.

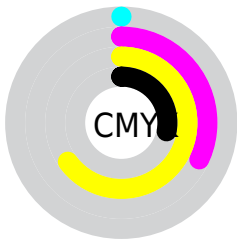
Distribution



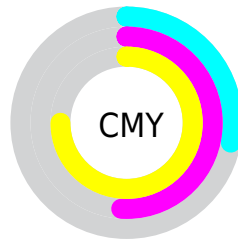
- Red (72%)
- Green (49%)
- Blue (25%)



- Red (69%)
- Yellow (72%)
- Blue (25%)



- Cyan (0%)
- Magenta (32%)
- Yellow (65%)
- Black (28%)



- Cyan (28%)
- Magenta (51%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7875, 25.1047, 8.2316 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 27.7875, 25.1047, 8.2316 by changing the saturation by 10% instead.

■ 27.7875, 25.1047,
8.2316

■ 27.7875, 25.1047,
8.2316

283.5486,
278.3590, 187.5394

■ 18.3052, 16.1551,
4.1536

■ 55.5560, 51.8270,
22.9649

■ 11.2703, 9.6340,
1.7100

■ 74.5729, 70.3685,
34.4572

■ 6.3176, 5.1569,
0.3676

■ 97.4987, 92.8761,
49.2581

■ 3.0816, 2.3396,
0.0000

■ 124.6988,
119.7341, 67.7860

■ 1.1971, 0.7946,
0.0000

■ 156.5384,
151.3271, 90.4596

■ 0.1041, 0.0000,
0.0000

■ 193.3831,

■ 0.0000, 0.0000,

188.0392, 117.6973

0.0000

235.5980,
230.2551, 149.9177

■ 27.7875, 25.1047,
8.2316

■ 27.7875, 25.1047,
8.2316

■ 26.2710, 22.7729,
5.5650

■ 29.5774, 27.7102,
11.8327

■ 25.0061, 20.6987,
3.7387

■ 31.6567, 30.5967,
16.4471

■ 23.9693, 18.8693,
2.6402

■ 34.0417, 33.7757,
22.1470

■ 23.5145, 18.0395,
2.2426

■ 36.7471, 37.2571,
28.9973

■ 39.7865, 41.0497,
37.0580

■ 43.1724, 45.1624,
46.3848

■ 46.9169, 49.6032,
57.0297

■ 51.0312, 54.3802,
69.0421

■ 55.5261, 59.5009,
82.4686

Harmonies

Analogous

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



32.7264, 25.1047, 12.9500



27.7875, 25.1047, 8.2316



22.4007, 25.1047, 7.4841

Triad

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



27.7875, 25.1047, 8.2316



15.1632, 25.1047, 31.8324



30.7460, 25.1047, 57.0078

Complementary

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



27.7875, 25.1047, 8.2316



17.6207, 18.4270, 47.4276

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.



25.3840, 25.1047, 67.3518



27.7875, 25.1047, 8.2316



16.7618, 25.1047, 49.6890

Square

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



27.7875, 25.1047, 8.2316



15.6106, 25.1047, 17.9864



20.3235, 25.1047, 64.2681



34.6022, 25.1047, 39.4642

Rectangle

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



27.7875, 25.1047, 8.2316



19.3450, 25.1047, 8.9137



20.3235, 25.1047, 64.2681



29.0308, 25.1047, 61.6897

Sweetspot

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



27.7881, 25.1060, 8.2321



68.2942, 69.8465, 58.4371



24.9684, 15.1768, 20.5171



14.7537, 15.0126, 12.0371



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.7881, 25.1060, 8.2321



46.0326, 39.1473, 8.3993



37.3872, 44.3043, 11.4318



9.3750, 9.7530, 9.4953



16.4732, 12.7227, 1.5875



0.6424, 0.5720, 0.0765

Inverse Universe

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



17.6207, 18.4270, 47.4276



26.4542, 26.3001, 83.9179



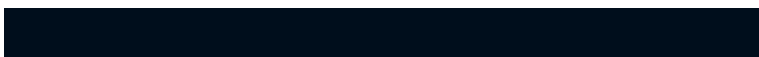
12.4952, 8.1759, 45.7191



8.8727, 9.4226, 11.4305



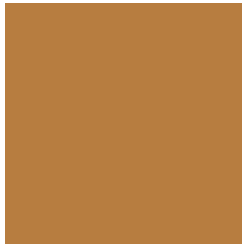
8.5340, 7.5276, 32.2563



0.3628, 0.3894, 1.1578

Previews

White Background



This preview shows how the XYZ color 27.7875, 25.1047, 8.2316 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 27.7875, 25.1047, 8.2316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

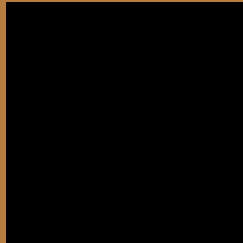
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.7875, 25.1047, 8.2316

Background



This preview shows how black text looks on a background with the XYZ color 27.7875, 25.1047, 8.2316.



This preview shows how white text looks on a background with the XYZ color 27.7875, 25.1047,

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

27.7875, 25.1047, 8.2316

Protanopia

23.0808, 25.2697, 9.1299

Deuteranopia

25.5911, 25.1375, 8.2059



Tritanopia

30.8027, 25.0540, 23.2911

Trichromacy



Original Color

27.7875, 25.1047, 8.2316

Protanomaly

24.5049, 24.9668, 8.8377

Deuteranomaly

26.4267, 25.1734, 8.1687

Tritanomaly

29.5858, 25.1133, 16.3847

Monochromacy



Original Color

27.7875, 25.1047, 8.2316

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.8255, 24.0121, 17.8471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7875, 25.1047, 8.2316 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(183, 125, 64)` looks like.

```
.text, #text, p{  
    color:rgb(183, 125, 64)  
}
```

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(183, 125, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 125, 64) }
```

Border

The CSS property to change the border of an element to XYZ 27.7875, 25.1047, 8.2316 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(183, 125, 64) }
```


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

```
.border{ border-color:rgb(183, 125, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 125, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 125, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 125, 64);  
box-shadow:4px 4px 4px 4px rgb(183, 125,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7875, 25.1047, 8.2316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 125, 64) }
```

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

```
.background{ background-color: rgb(183,  
125, 64) }
```

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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