

Converting Colors

XYZ(30.3004, 27.7018, 12.8722)

Have a look what the booklet for
XYZ(30.3004, 27.7018, 12.8722)
contains.

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Color

**XYZ(30.2213, 27.6298,
12.7571)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8457
RGB	186, 132, 87
RGB Percent	73%, 52%, 34%
CMY	0.2706, 0.4823, 0.6588
CMYK	0.00, 0.29, 0.53, 0.27
HSL	27°, 42%, 54%
HSV	27°, 53%, 73%
XYZ	30.2213, 27.6298, 12.7571
YIQ	143.0160, 46.6290, -2.5470

Conversions

Conversions Part 2

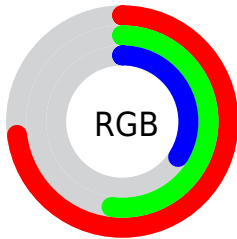
Format	Color
R_{YB}	186, 170, 87
Decimal	12223575
CIE Lab	59.55, 15.61, 32.40
CIE LCh	60, 35.962, 64.276
Yxy	27.6298, 0.4280, 0.3913
Android (android.graphics.Color)	4290413655 (0xFFBA8457)
YUV	143.0160, -27.6159, 37.6970
Hunter-Lab	52.5641, 10.6401, 22.4054

Details

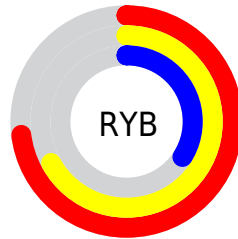
The XYZ color **30.2213, 27.6298, 12.7571** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **22.3178, 24.6201, 50.0301**, and the grayscale version is **26.2092, 27.5741, 30.0282**.

A 20% lighter version of the original color is **59.2446, 55.7660, 31.6861**, and **12.6062, 10.9336, 3.4535** is the 20% darker color. If you saturate the color by 10%, you get **28.2478, 24.7462, 8.8210**, and if you desaturate by 10%, it is **32.5258, 30.8620, 17.7700**.

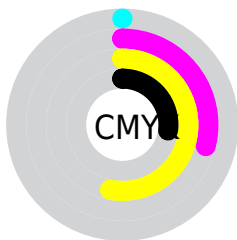
Distribution



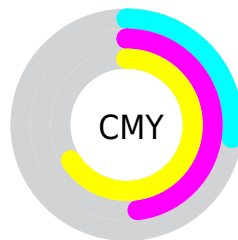
- Red (73%)
- Green (52%)
- Blue (34%)



- Red (73%)
- Yellow (67%)
- Blue (34%)



- Cyan (0%)
- Magenta (29%)
- Yellow (53%)
- Black (27%)





- Cyan (27%)
- Magenta (48%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2213, 27.6298, 12.7571 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 30.2213, 27.6298, 12.7571 by changing the saturation by 10% instead.


 30.2213, 27.6298,
12.7571


 30.2213, 27.6298,
12.7571


294.8260,
290.6937, 220.5079


 20.1555, 18.0468,
7.1327

 59.3962, 55.8929,
31.5515


 12.6171, 10.9836,
3.4656


 79.2360, 75.3417,
45.5586


 7.2406, 6.0558,
1.3370


 103.0646, 98.8479,
63.1970

 3.6607, 2.8790,
0.0918

 131.2473,
126.7959, 84.8853

 1.5120, 1.0689,
0.0000

 164.1494,
159.5701, 111.0420

 0.3340, 0.0000,
0.0000

202.1363,

 0.0000, 0.0000,

197.5549, 142.0856

0.0000

245.5734,
241.1346, 178.4348

■ 30.2213, 27.6298,
12.7571

■ 30.2213, 27.6298,
12.7571

■ 28.2478, 24.7462,
8.8210

■ 32.5258, 30.8620,
17.7700

■ 26.5840, 22.1934,
5.8779

■ 35.1766, 34.4516,
23.9315

■ 25.2090, 19.9578,
3.8339

■ 38.1903, 38.4118,
31.3092

■ 24.0974, 18.0225,
2.5760

■ 41.5820, 42.7542,
39.9649

■ 23.4631, 16.8660,
2.0188

■ 45.3655, 47.4894,
49.9561

■ 49.5541, 52.6278,
61.3369

■ 54.1603, 58.1794,
74.1583

■ 59.1961, 64.1537,
88.4686

■ 64.6731, 70.5599,
104.3140

Harmonies

Analogous

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



34.1264, 27.6298, 18.1203



30.2213, 27.6298, 12.7571



25.6179, 27.6298, 11.4499

Triad

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



30.2213, 27.6298, 12.7571



18.5058, 27.6298, 31.9806



31.4721, 27.6298, 55.7276

Complementary

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



30.2213, 27.6298, 12.7571



22.3178, 24.6201, 50.0301

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.



26.9154, 27.6298, 62.3995



30.2213, 27.6298, 12.7571



19.7082, 27.6298, 46.4116

Square

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



30.2213, 27.6298, 12.7571



19.1773, 27.6298, 20.5137



22.6633, 27.6298, 58.5771



34.9048, 27.6298, 42.2463

Rectangle

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



30.2213, 27.6298, 12.7571



22.8443, 27.6298, 12.6075



22.6633, 27.6298, 58.5771



30.0031, 27.6298, 58.9929

Sweetspot

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



30.2220, 27.6312, 12.7576



73.4273, 75.0277, 67.4183



28.4993, 19.1922, 27.5778



15.8872, 16.1611, 14.1226



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.



30.2220, 27.6312, 12.7576



50.6067, 43.9611, 14.8799



38.5040, 44.1952, 15.5183



9.3318, 9.6666, 9.4809



15.8583, 11.4930, 1.3825



0.6210, 0.5291, 0.0694

Inverse Universe

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



22.3178, 24.6201, 50.0301



34.7236, 37.8799, 89.6828



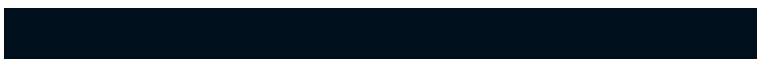
16.6165, 13.2174, 48.1296



8.9160, 9.5093, 11.4450



9.1985, 8.8567, 32.4778



0.3853, 0.4342, 1.1653

Previews

White Background



This preview shows how the XYZ color 30.2213, 27.6298, 12.7571 looks on a white background.

Color Contrast Check

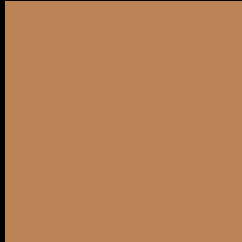
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2213, 27.6298, 12.7571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

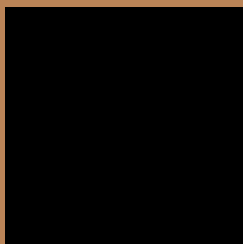
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.2213, 27.6298, 12.7571

Background



This preview shows how black text looks on a background with the XYZ color 30.2213, 27.6298, 12.7571.



This preview shows how white text looks on a background with the XYZ color 30.2213, 27.6298,

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

30.2213, 27.6298, 12.7571

Protanopia

25.7662, 27.8699, 13.9189

Deuteranopia

28.0809, 27.5619, 12.6440



Tritanopia

33.0692, 27.6181, 26.5096

Trichromacy



Original Color

30.2213, 27.6298, 12.7571

Protanomaly

27.3720, 27.8192, 13.5998

Deuteranomaly

28.7038, 27.4648, 12.5925

Tritanomaly

31.9755, 27.5652, 20.7749

Monochromacy



Original Color

30.2213, 27.6298, 12.7571

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.1058, 27.2662, 22.5732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2213, 27.6298, 12.7571 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(186, 132, 87)` looks like.

```
.text, #text, p{  
    color:rgb(186, 132, 87)  
}
```

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(186, 132, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 132, 87) }
```

Border

The CSS property to change the border of an element to XYZ 30.2213, 27.6298, 12.7571 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(186, 132, 87) }
```


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

```
.border{ border-color:rgb(186, 132, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 132, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 132, 87); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 132, 87); box-shadow:4px 4px 4px 4px rgb(186, 132, 87) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2213, 27.6298, 12.7571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 132, 87) }
```

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

```
.background{ background-color: rgb(186,  
132, 87) }
```

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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