

Converting Colors

XYZ(24.2635, 15.9958, 6.6828)

Have a look what the booklet for
XYZ(24.2635, 15.9958, 6.6828)
contains.

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Color

**XYZ(24.3605, 16.0865,
6.6716)**

Conversions

Conversions Part 1

Format	Color
Hex	BD4A40
RGB	189, 74, 64
RGB Percent	74%, 29%, 25%
CMY	0.2588, 0.7098, 0.7490
CMYK	0.00, 0.61, 0.66, 0.26
HSL	5°, 49%, 50%
HSV	5°, 66%, 74%
XYZ	24.3605, 16.0865, 6.6716
YIQ	107.2450, 71.7500, 21.2700

Conversions

Conversions Part 2

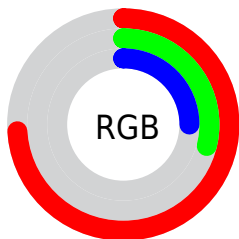
Format	Color
RYB	189, 75, 64
Decimal	12405312
CIELab	47.09, 45.67, 29.92
CIElCh	47, 54.604, 33.232
Yxy	16.0865, 0.5170, 0.3414
Android (android.graphics.Color)	4290595392 (0xFFBD4A40)
YUV	107.2450, -21.3198, 71.6991
Hunter-Lab	40.1080, 38.2271, 18.2132

Details

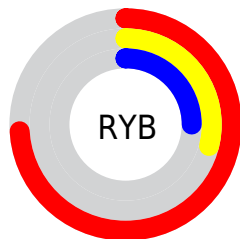
The XYZ color **24.3605, 16.0865, 6.6716** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **27.4187, 37.0021, 53.8410**, and the grayscale version is **14.0871, 14.8208, 16.1398**.

A 20% lighter version of the original color is **49.9383, 36.6726, 19.7757**, and **9.3739, 5.0919, 1.1982** is the 20% darker color. If you saturate the color by 10%, you get **22.9062, 13.8978, 3.9681**, and if you desaturate by 10%, it is **26.3186, 18.9915, 10.4422**.

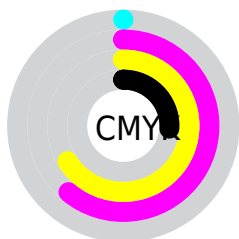
Distribution



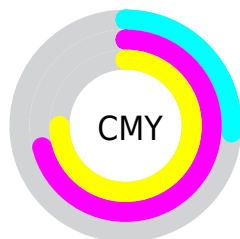
- Red (74%)
- Green (29%)
- Blue (25%)



- Red (74%)
- Yellow (29%)
- Blue (25%)



- Cyan (0%)
- Magenta (61%)
- Yellow (66%)
- Black (26%)





- Cyan (26%)
- Magenta (71%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3605, 16.0865, 6.6716 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 24.3605, 16.0865, 6.6716 by changing the saturation by 10% instead.


 24.3605, 16.0865,
6.6716


 24.3605, 16.0865,
6.6716


267.0448,
229.8516, 174.4324


 15.7274, 9.5854,
3.1823


 50.0683, 36.7483,
19.8109


 9.4211, 5.1249,
1.1884


 67.8737, 51.6778,
30.2980

 5.0762, 2.3208,
0.0000

 89.4672, 70.1855,
43.9548

 2.3272, 0.7847,
0.0000

 115.2143, 92.6559,
61.1997

 0.8085, 0.0000,
0.0000

 145.4802,
119.4733, 82.4514

 0.0000, 0.0000,
0.0000

 180.6304,

151.0221, 108.1284

221.0301,
187.6867, 138.6492

■ 24.3605, 16.0865,
6.6716

■ 24.3605, 16.0865,
6.6716

■ 22.9062, 13.8978,
3.9681

■ 26.3186, 18.9915,
10.4422

■ 21.9081, 12.3606,
2.2203

■ 28.8199, 22.6647,
15.3745

■ 21.3102, 11.4027,
1.2874

■ 31.9014, 27.1566,
21.5535

■ 21.1589, 11.1641,
1.0397

■ 35.5965, 32.5125,
29.0564

■ 39.9358, 38.7743,
37.9536

■ 44.9481, 45.9812,
48.3110

■ 50.6604, 54.1701,
60.1901

■ 57.0981, 63.3761,
73.6488

■ 64.2856, 73.6323,
88.7422

Harmonies

Analogous

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



26.4525, 16.0865, 16.0699



24.3605, 16.0865, 6.6716



19.8245, 16.0865, 2.9427

Triad

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



24.3605, 16.0865, 6.6716



8.4524, 16.0865, 8.1188



15.8149, 16.0865, 59.2574

Complementary

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



24.3605, 16.0865, 6.6716



27.4187, 37.0021, 53.8410

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.



11.5053, 16.0865, 53.2004



24.3605, 16.0865, 6.6716



7.8142, 16.0865, 19.0452

Square

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



24.3605, 16.0865, 6.6716



10.7771, 16.0865, 3.4192



8.8070, 16.0865, 36.3136



20.9133, 16.0865, 50.1418

Rectangle

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



24.3605, 16.0865, 6.6716



16.4011, 16.0865, 2.2091



8.8070, 16.0865, 36.3136



14.2298, 16.0865, 58.9383

Sweetspot

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



24.3609, 16.0874, 6.6719



68.1305, 64.5518, 60.9980



31.1260, 17.8082, 45.3337



14.1858, 13.2098, 12.1636



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.



24.3609, 16.0874, 6.6719



40.1935, 23.6202, 5.6201



30.5524, 28.4705, 8.7357



9.5899, 9.6558, 9.9349



14.2598, 7.5584, 0.7073



0.5797, 0.3383, 0.0347

Inverse Universe

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



27.4187, 37.0021, 53.8410



45.9447, 63.5107, 96.0635



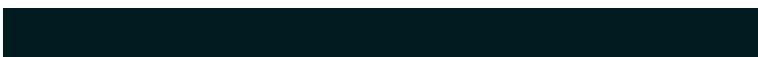
17.7978, 17.7604, 50.6341



9.7415, 10.6753, 12.2193



16.3737, 22.8591, 35.9422



0.6609, 0.9345, 1.4144

Previews

White Background



This preview shows how the XYZ color 24.3605, 16.0865, 6.6716 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 24.3605, 16.0865, 6.6716 looks on a black 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

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

XYZ 24.3605, 16.0865, 6.6716

Background



This preview shows how black text looks on a background with the XYZ color 24.3605, 16.0865, 6.6716.



This preview shows how white text looks on a background with the XYZ color 24.3605, 16.0865,

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

24.3605, 16.0865, 6.6716

Protanopia

15.0545, 16.2033, 9.5418

Deuteranopia

16.5026, 16.2242, 6.2648



Tritanopia

24.8921, 16.1177, 8.8202

Trichromacy



Original Color

24.3605, 16.0865, 6.6716

Protanomaly

17.4243, 15.3274, 8.3435

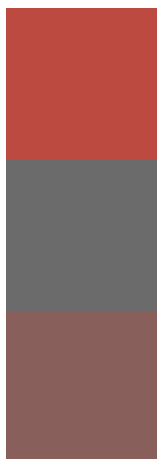
Deuteranomaly

18.8124, 15.6788, 6.3097

Tritanomaly

24.7874, 16.1801, 7.9475

Monochromacy



Original Color

24.3605, 16.0865, 6.6716

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

16.2971, 14.2581, 11.7907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3605, 16.0865, 6.6716 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(189, 74, 64)` looks like.

```
.text, #text, p{  
    color:rgb(189, 74, 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(189, 74, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 74, 64) }
```

Border

The CSS property to change the border of an element to XYZ 24.3605, 16.0865, 6.6716 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(189, 74, 64) }
```


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

```
.border{ border-color:rgb(189, 74, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 74, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 74, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 74, 64);  
box-shadow:4px 4px 4px 4px rgb(189, 74,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3605, 16.0865, 6.6716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 74, 64) }
```

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

```
.background{ background-color: rgb(189, 74,  
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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