

Converting Colors

XYZ(18.6337, 12.4123, 6.6147)

Have a look what the booklet for
XYZ(18.6337, 12.4123, 6.6147)
contains.

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Color

**XYZ(18.6575, 12.3968,
6.5637)**

Conversions

Conversions Part 1

Format	Color
Hex	A64242
RGB	166, 66, 66
RGB Percent	65%, 26%, 26%
CMY	0.3490, 0.7412, 0.7412
CMYK	0.00, 0.60, 0.60, 0.35
HSL	0°, 43%, 45%
HSV	0°, 60%, 65%
XYZ	18.6575, 12.3968, 6.5637
YIQ	95.9000, 59.6000, 21.2000

Conversions

Conversions Part 2

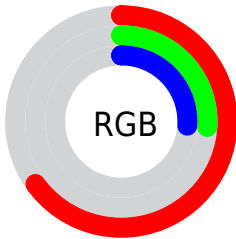
Format	Color
R_{YB}	166, 66, 66
Decimal	10895938
CIE _{Lab}	41.84, 41.28, 21.30
CIE _{LCh}	42, 46.450, 27.300
Yxy	12.3968, 0.4960, 0.3295
Android (android.graphics.Color)	4289086018 (0xFFA64242)
YUV	95.9000, -14.7407, 61.4777
Hunter-Lab	35.2091, 32.9723, 13.5935

Details

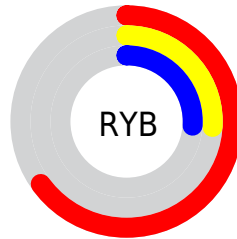
The XYZ color **18.6575, 12.3968, 6.5637** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **22.7648, 31.1817, 40.8951**, and the grayscale version is **11.1190, 11.6980, 12.7391**.

A 20% lighter version of the original color is **40.5670, 30.1793, 19.6067**, and **6.4367, 3.4454, 1.1364** is the 20% darker color. If you saturate the color by 10%, you get **17.4041, 10.5630, 4.0718**, and if you desaturate by 10%, it is **20.3349, 14.8516, 9.8979**.

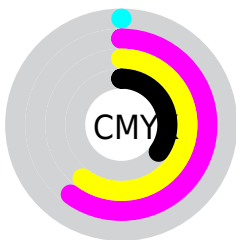
Distribution



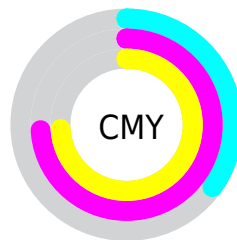
- Red (65%)
- Green (26%)
- Blue (26%)



- Red (65%)
- Yellow (26%)
- Blue (26%)



- Cyan (0%)
- Magenta (60%)
- Yellow (60%)
- Black (35%)





- Cyan (35%)
- Magenta (74%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6575, 12.3968, 6.5637 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 18.6575, 12.3968, 6.5637 by changing the saturation by 10% instead.


 18.6575, 12.3968,
6.5637


 18.6575, 12.3968,
6.5637


237.5260,
207.0148, 173.4785


 11.5256, 7.0145,
3.1165


 40.6759, 30.2158,
19.5877


 6.4914, 3.4712,
1.1544


 56.2931, 43.4212,
30.0015


 3.1896, 1.3824,
0.0000

 75.4695, 60.0032,
43.5746

 1.2548, 0.2037,
0.0000

 98.5704, 80.3461,
60.7256

 0.1490, 0.0000,
0.0000

 125.9611,
104.8343, 81.8729

 0.0000, 0.0000,
0.0000

 158.0070,

133.8523, 107.4351

195.0735,
167.7843, 137.8308

■ 18.6575, 12.3968,
6.5637

■ 18.6575, 12.3968,
6.5637

■ 17.4041, 10.5630,
4.0718

■ 20.3349, 14.8516,
9.8979

■ 16.5361, 9.2928,
2.3464

■ 22.4688, 17.9741,
14.1398

■ 16.0093, 8.5218,
1.2992

■ 25.0894, 21.8088,
19.3493

■ 15.7259, 8.1072,
0.7360

■ 28.2241, 26.3958,
25.5810

■ 31.8983, 31.7722,
32.8853

■ 36.1358, 37.9728,
41.3094

■ 40.9589, 45.0303,
50.8975

■ 46.3885, 52.9753,
61.6917

■ 52.4448, 61.8374,
73.7316

Harmonies

Analogous

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



19.6616, 12.3968, 14.4062



18.6575, 12.3968, 6.5637



15.7109, 12.3968, 3.0343

Triad

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



18.6575, 12.3968, 6.5637



7.0642, 12.3968, 5.6573



11.4753, 12.3968, 42.4639

Complementary

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



18.6575, 12.3968, 6.5637



22.7648, 31.1817, 40.8951

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.



8.5709, 12.3968, 36.4042



18.6575, 12.3968, 6.5637



6.3526, 12.3968, 12.6288

Square

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



18.6575, 12.3968, 6.5637



9.0129, 12.3968, 2.7175



6.8459, 12.3968, 24.1285



15.0689, 12.3968, 38.1530

Rectangle

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



18.6575, 12.3968, 6.5637



13.2908, 12.3968, 2.1924



6.8459, 12.3968, 24.1285



10.3934, 12.3968, 41.5251

Sweetspot

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



18.6578, 12.3975, 6.5639



52.4185, 49.6535, 48.8014



24.5570, 14.7566, 37.6303



11.3379, 10.5374, 10.1409



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.6578, 12.3975, 6.5639



31.0277, 18.3525, 6.2783



22.9546, 20.9911, 7.9962



7.5312, 7.5424, 7.8482



12.1948, 6.2868, 0.5707



0.2967, 0.1530, 0.0139

Inverse Universe

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



22.7648, 31.1817, 40.8951



39.1434, 55.4713, 74.1192



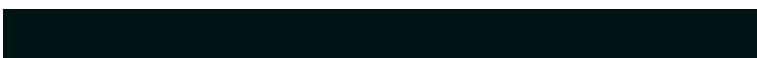
15.3751, 16.4022, 38.4319



7.7475, 8.5320, 9.6568



15.9103, 23.2807, 31.6306



0.3871, 0.5664, 0.7696

Previews

White Background



This preview shows how the XYZ color 18.6575, 12.3968, 6.5637 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 18.6575, 12.3968, 6.5637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

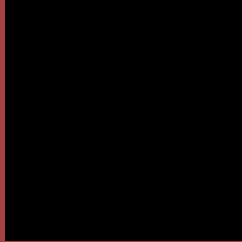
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.6575, 12.3968, 6.5637

Background



This preview shows how black text looks on a background with the XYZ color 18.6575, 12.3968, 6.5637.



This preview shows how white text looks on a background with the XYZ color 18.6575, 12.3968,

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

18.6575, 12.3968, 6.5637

Protanopia

11.8537, 12.5670, 9.3903

Deuteranopia

12.6802, 12.5144, 6.1621



Tritanopia

18.7217, 12.3298, 7.1875

Trichromacy



Original Color

18.6575, 12.3968, 6.5637

Protanomaly

13.5803, 11.9136, 8.2404

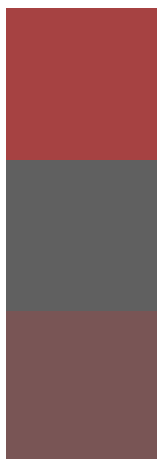
Deuteranomaly

14.3841, 12.0179, 6.2642

Tritanomaly

18.6904, 12.3173, 7.0226

Monochromacy



Original Color

18.6575, 12.3968, 6.5637

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.7733, 11.2178, 10.0864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6575, 12.3968, 6.5637 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(166, 66, 66)` looks like.

```
.text, #text, p{  
    color:rgb(166, 66, 66)  
}
```

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(166, 66, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 66, 66) }
```

Border

The CSS property to change the border of an element to XYZ 18.6575, 12.3968, 6.5637 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(166, 66, 66) }
```


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

```
.border{ border-color:rgb(166, 66, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 66, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 66, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 66, 66);  
box-shadow:4px 4px 4px 4px rgb(166, 66,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6575, 12.3968, 6.5637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 66, 66) }
```

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

```
.background{ background-color: rgb(166, 66,  
66) }
```

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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