

Converting Colors

XYZ(21.6012, 12.3873, 6.4840)

Have a look what the booklet for
XYZ(21.6012, 12.3873, 6.4840)
contains.

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Color

**XYZ(21.6889, 12.4605,
6.4162)**

Conversions

Conversions Part 1

Format	Color
Hex	B82D42
RGB	184, 45, 66
RGB Percent	72%, 18%, 26%
CMY	0.2784, 0.8235, 0.7412
CMYK	0.00, 0.76, 0.64, 0.28
HSL	351°, 61%, 45%
HSV	351°, 76%, 72%
XYZ	21.6889, 12.4605, 6.4162
YIQ	88.9550, 76.1030, 35.9990

Conversions

Conversions Part 2

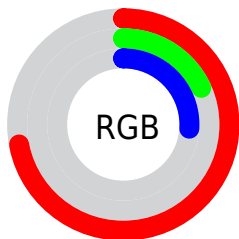
Format	Color
RYB	184, 45, 66
Decimal	12070210
CIELab	41.94, 55.80, 22.07
CIElCh	42, 60.009, 21.575
Yxy	12.4605, 0.5347, 0.3072
Android (android.graphics.Color)	4290260290 (0xFFB82D42)
YUV	88.9550, -11.3168, 83.3545
Hunter-Lab	35.2994, 47.9011, 13.9328

Details

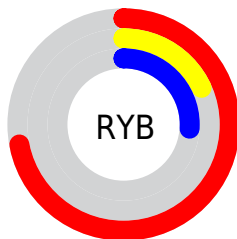
The XYZ color **21.6889, 12.4605, 6.4162** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **24.8348, 37.4836, 40.5813**, and the grayscale version is **9.4990, 9.9937, 10.8831**.

A 20% lighter version of the original color is **45.7947, 30.3105, 19.3564**, and **8.4770, 4.3510, 1.2572** is the 20% darker color. If you saturate the color by 10%, you get **20.7340, 11.1900, 4.1277**, and if you desaturate by 10%, it is **23.0760, 14.3944, 9.4695**.

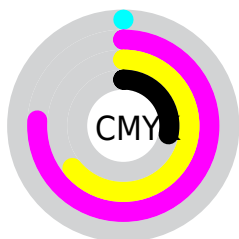
Distribution



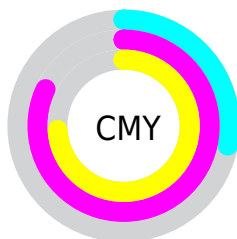
- Red (72%)
- Green (18%)
- Blue (26%)



- Red (72%)
- Yellow (18%)
- Blue (26%)



- Cyan (0%)
- Magenta (76%)
- Yellow (64%)
- Black (28%)





- Cyan (28%)
- Magenta (82%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6889, 12.4605, 6.4162 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 21.6889, 12.4605, 6.4162 by changing the saturation by 10% instead.


 21.6889, 12.4605,
6.4162


 21.6889, 12.4605,
6.4162


253.5803,
207.4305, 172.1632


 13.7438, 7.0581,
3.0269


 45.7140, 30.3311,
19.2812


 8.0232, 3.4985,
1.1084


 62.5247, 43.5681,
29.5940


 4.1617, 1.3972,
0.0000

 83.0213, 60.1854,
43.0518

 1.7940, 0.2146,
0.0000

 107.5691, 80.5674,
60.0729

 0.5141, 0.0000,
0.0000

 136.5336,
105.0985, 81.0761

 0.0000, 0.0000,
0.0000

 170.2801,

134.1632, 106.4799

209.1738,
168.1457, 136.7027

■ 21.6889, 12.4605,
6.4162

■ 21.6889, 12.4605,
6.4162

■ 20.7340, 11.1900,
4.1277

■ 23.0760, 14.3944,
9.4695

■ 20.1559, 10.4884,
2.5334

■ 24.9391, 17.0640,
13.3479

■ 19.9741, 10.2731,
2.0154

■ 27.3174, 20.5343,
18.1064

■ 30.2459, 24.8628,
23.7948

■ 33.7564, 30.1015,
30.4593

■ 37.8782, 36.2984,
38.1430

■ 42.6387, 43.4981,
46.8862

■ 48.0636, 51.7424,
56.7273

■ 54.1773, 61.0705,
67.7026

Harmonies

Analogous

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



22.4552, 12.4605, 17.4743



21.6889, 12.4605, 6.4162



17.9811, 12.4605, 2.0128

Triad

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



21.6889, 12.4605, 6.4162



6.3349, 12.4605, 3.3387



10.6360, 12.4605, 54.9742

Complementary

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



21.6889, 12.4605, 6.4162



24.8348, 37.4836, 40.5813

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.



7.2903, 12.4605, 43.1518



21.6889, 12.4605, 6.4162



5.2463, 12.4605, 10.2910

Square

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



21.6889, 12.4605, 6.4162



8.9732, 12.4605, 1.1665



5.5459, 12.4605, 24.6907



15.2683, 12.4605, 51.3724

Rectangle

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



21.6889, 12.4605, 6.4162



14.7518, 12.4605, 1.0792



5.5459, 12.4605, 24.6907



9.3447, 12.4605, 52.4974

Sweetspot

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



21.6892, 12.4612, 6.4164



62.7062, 56.8362, 58.0559



24.2551, 12.8982, 46.5583



12.9800, 11.4462, 11.5043



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.



21.6892, 12.4612, 6.4164



36.7902, 19.3016, 5.3401



24.0111, 17.9203, 4.6772



9.0584, 9.0337, 9.6551



13.7830, 7.0870, 1.4781



0.5035, 0.2569, 0.1447

Inverse Universe

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



21.6892, 12.4612, 6.4164



36.7902, 19.3016, 5.3401



18.7755, 22.1012, 48.6234



9.0584, 9.0337, 9.6551



13.7830, 7.0870, 1.4781



0.5035, 0.2569, 0.1447

Previews

White Background



This preview shows how the XYZ color 21.6889, 12.4605, 6.4162 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 21.6889, 12.4605, 6.4162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

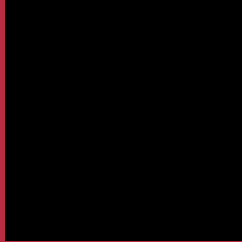
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6889, 12.4605, 6.4162

Background



This preview shows how black text looks on a background with the XYZ color 21.6889, 12.4605, 6.4162.



This preview shows how white text looks on a background with the XYZ color 21.6889, 12.4605,

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

21.6889, 12.4605, 6.4162

Protanopia

12.0693, 12.7787, 11.2816

Deuteranopia

12.7668, 12.5651, 5.8901



Tritanopia

21.1611, 12.4115, 4.2980

Trichromacy



Original Color

21.6889, 12.4605, 6.4162

Protanomaly

14.0267, 11.3179, 9.2299

Deuteranomaly

15.0250, 11.5848, 6.0016

Tritanomaly

21.2588, 12.3858, 5.0116

Monochromacy



Original Color

21.6889, 12.4605, 6.4162

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

12.1799, 9.6443, 9.0042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6889, 12.4605, 6.4162 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(184, 45, 66)` looks like.

```
.text, #text, p{  
    color:rgb(184, 45, 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(184, 45, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 45, 66) }
```

Border

The CSS property to change the border of an element to XYZ 21.6889, 12.4605, 6.4162 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(184, 45, 66) }
```


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

```
.border{ border-color:rgb(184, 45, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 45, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 45, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 45, 66);  
box-shadow:4px 4px 4px 4px rgb(184, 45,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6889, 12.4605, 6.4162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 45, 66) }
```

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

```
.background{ background-color: rgb(184, 45,  
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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