

Converting Colors

XYZ(21.5688, 12.5745, 6.4446)

Have a look what the booklet for
XYZ(21.5688, 12.5745, 6.4446)
contains.

XYZ(21.5688, 12.5745, 6.4446)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.5688, 12.5745,
6.4446)**

Conversions

Conversions Part 1

Format	Color
Hex	B73042
RGB	183, 48, 66
RGB Percent	72%, 19%, 26%
CMY	0.2824, 0.8117, 0.7412
CMYK	0.00, 0.74, 0.64, 0.28
HSL	352°, 58%, 45%
HSV	352°, 74%, 72%
XYZ	21.5688, 12.5745, 6.4446
YIQ	90.4170, 74.6820, 34.2180

Conversions

Conversions Part 2

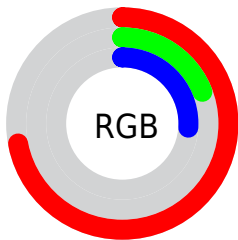
Format	Color
R_{YB}	183, 48, 66
Decimal	12005442
CIE _{Lab}	42.11, 54.48, 22.26
CIE _{LCh}	42, 58.851, 22.220
Yxy	12.5745, 0.5314, 0.3098
Android (android.graphics.Color)	4290195522 (0xFFB73042)
YUV	90.4170, -12.0376, 81.1953
Hunter-Lab	35.4605, 46.5163, 14.0470

Details

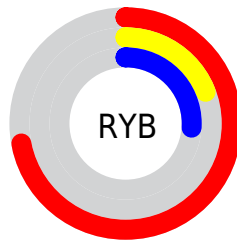
The XYZ color **21.5688, 12.5745, 6.4446** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **24.9451, 37.2124, 41.4691**, and the grayscale version is **9.8272, 10.3390, 11.2592**.

A 20% lighter version of the original color is **45.6438, 30.5280, 19.4064**, and **8.3332, 4.2769, 1.2505** is the 20% darker color. If you saturate the color by 10%, you get **20.5641, 11.2126, 4.1138**, and if you desaturate by 10%, it is **23.0124, 14.6070, 9.5616**.

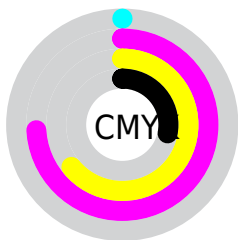
Distribution



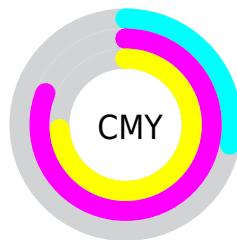
- Red (72%)
- Green (19%)
- Blue (26%)



- Red (72%)
- Yellow (19%)
- Blue (26%)



- Cyan (0%)
- Magenta (74%)
- Yellow (64%)
- Black (28%)





- Cyan (28%)
- Magenta (81%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5688, 12.5745, 6.4446 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 21.5688, 12.5745, 6.4446 by changing the saturation by 10% instead.


 21.5688, 12.5745,
6.4446


 21.5688, 12.5745,
6.4446


252.9610,
208.1724, 172.4175


 13.6552, 7.1362,
3.0441


 45.5165, 30.5372,
19.3403


 7.9614, 3.5474,
1.1172


 62.2813, 43.8304,
29.6727


 4.1218, 1.4238,
0.0000

 82.7272, 60.5107,
43.1527

 1.7713, 0.2341,
0.0000

 107.2196, 80.9625,
60.1990

 0.5003, 0.0000,
0.0000

 136.1238,
105.5702, 81.2301

 0.0000, 0.0000,
0.0000

 169.8052,

134.7181, 106.6645

208.6292,
168.7907, 136.9208

■ 21.5688, 12.5745,
6.4446

■ 21.5688, 12.5745,
6.4446

■ 20.5641, 11.2126,
4.1138

■ 23.0124, 14.6070,
9.5616

■ 19.9456, 10.4332,
2.4971

■ 24.9377, 17.3794,
13.5269

■ 19.6974, 10.1348,
1.8037

■ 27.3832, 20.9550,
18.3970

■ 30.3832, 25.3896,
24.2234

■ 33.9693, 30.7339,
31.0535

■ 38.1703, 37.0348,
38.9318

■ 43.0136, 44.3360,
47.8998

■ 48.5244, 52.6782,
57.9970

■ 54.7270, 62.1003,
69.2609

Harmonies

Analogous

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



22.3914, 12.5745, 17.2237



21.5688, 12.5745, 6.4446



17.8907, 12.5745, 2.1058

Triad

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



21.5688, 12.5745, 6.4446



6.4536, 12.5745, 3.5921



10.8473, 12.5745, 54.2026

Complementary

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



21.5688, 12.5745, 6.4446



24.9451, 37.2124, 41.4691

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.



7.4982, 12.5745, 42.9804



21.5688, 12.5745, 6.4446



5.3975, 12.5745, 10.6786

Square

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



21.5688, 12.5745, 6.4446



9.0407, 12.5745, 1.3005



5.7266, 12.5745, 24.9912



15.4287, 12.5745, 50.3688

Rectangle

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



21.5688, 12.5745, 6.4446



14.7129, 12.5745, 1.1719



5.7266, 12.5745, 24.9912



9.5596, 12.5745, 51.9078

Sweetspot

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



21.5691, 12.5752, 6.4448



61.8261, 56.5214, 57.4801



25.1218, 13.5330, 46.0877



13.2403, 11.8630, 11.9113



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.



21.5691, 12.5752, 6.4448



36.0174, 19.0414, 5.2939



24.3836, 18.9238, 5.1648



9.0520, 9.0312, 9.6215



13.7563, 7.0763, 1.3373



0.5007, 0.2558, 0.1303

Inverse Universe

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



21.5691, 12.5752, 6.4448



36.0174, 19.0414, 5.2939



18.2231, 20.9606, 47.8850



9.0520, 9.0312, 9.6215



13.7563, 7.0763, 1.3373



0.5007, 0.2558, 0.1303

Previews

White Background



This preview shows how the XYZ color 21.5688, 12.5745, 6.4446 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



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 21.5688, 12.5745, 6.4446

Background



This preview shows how black text looks on a background with the XYZ color 21.5688, 12.5745, 6.4446.



This preview shows how white text looks on a background with the XYZ color 21.5688, 12.5745,

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

21.5688, 12.5745, 6.4446

Protanopia

12.1443, 12.8222, 11.0674

Deuteranopia

12.9983, 12.8191, 5.9269



Tritanopia

21.1178, 12.5698, 4.6813

Trichromacy



Original Color

21.5688, 12.5745, 6.4446

Protanomaly

14.0633, 11.4506, 9.0584

Deuteranomaly

15.1671, 11.8691, 6.0490

Tritanomaly

21.1957, 12.5318, 5.3047

Monochromacy



Original Color

21.5688, 12.5745, 6.4446

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

12.3135, 9.9113, 9.0487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5688, 12.5745, 6.4446 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, 48, 66)` looks like.

```
.text, #text, p{  
    color:rgb(183, 48, 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(183, 48, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 48, 66) }
```

Border

The CSS property to change the border of an element to XYZ 21.5688, 12.5745, 6.4446 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, 48, 66) }
```


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

```
.border{ border-color:rgb(183, 48, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 48, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 48, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 48, 66);  
box-shadow:4px 4px 4px 4px rgb(183, 48,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5688, 12.5745, 6.4446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 48, 66) }
```

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

```
.background{ background-color: rgb(183, 48,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor