

Converting Colors

XYZ(21.5803, 12.7331, 24.7768)

Have a look what the booklet for
XYZ(21.5803, 12.7331, 24.7768)
contains.

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Color

**XYZ(21.5840, 12.7129,
24.6088)**

Conversions

Conversions Part 1

Format	Color
Hex	A63888
RGB	166, 56, 136
RGB Percent	65%, 22%, 53%
CMY	0.3490, 0.7804, 0.4667
CMYK	0.00, 0.66, 0.18, 0.35
HSL	316°, 50%, 44%
HSV	316°, 66%, 65%
XYZ	21.5840, 12.7129, 24.6088
YIQ	98.0100, 39.8800, 48.2000

Conversions

Conversions Part 2

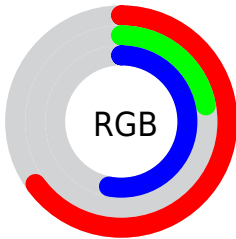
Format	Color
R_{YB}	166, 56, 136
Decimal	10893448
CIE _{Lab}	42.33, 53.64, -21.26
CIE _{LCh}	42, 57.697, 338.377
Yxy	12.7129, 0.3664, 0.2158
Android (android.graphics.Color)	4289083528 (0xFFA63888)
YUV	98.0100, 18.7291, 59.6272
Hunter-Lab	35.6552, 45.6592, -15.9627

Details

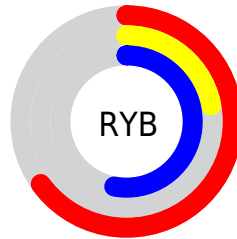
The XYZ color **21.5840, 12.7129, 24.6088** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **16.9475, 28.7855, 13.4683**, and the grayscale version is **11.5605, 12.1625, 13.2450**.

A 20% lighter version of the original color is **45.7192, 30.9339, 52.2764**, and **8.2353, 4.0514, 9.1520** is the 20% darker color. If you saturate the color by 10%, you get **20.5938, 11.2364, 22.7246**, and if you desaturate by 10%, it is **22.8554, 14.7295, 26.6540**.

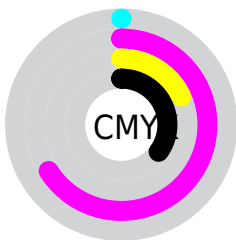
Distribution



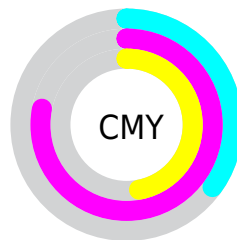
- Red (65%)
- Green (22%)
- Blue (53%)



- Red (65%)
- Yellow (22%)
- Blue (53%)



- Cyan (0%)
- Magenta (66%)
- Yellow (18%)
- Black (35%)





- Cyan (35%)
- Magenta (78%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5840, 12.7129, 24.6088 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 21.5840, 12.7129, 24.6088 by changing the saturation by 10% instead.


 21.5840, 12.7129,
24.6088


 21.5840, 12.7129,
24.6088


253.0395,
209.0694, 289.2691


 13.6664, 7.2311,
15.5695


 45.5415, 30.7870,
51.9781


 7.9692, 3.6071,
9.0690


 62.3121, 44.1482,
71.1451


 4.1269, 1.4563,
4.6888

 82.7644, 60.9046,
94.5252

 1.7742, 0.2577,
2.0103

 107.2638, 81.4407,
122.5368

 0.5020, 0.0000,
0.5616

 136.1757,
106.1408, 155.5984

 0.0000, 0.0000,
0.0000

 169.8653,

135.3894, 194.1286

208.6981,
169.5708, 238.5460

■ 21.5840, 12.7129,
24.6088

■ 21.5840, 12.7129,
24.6088

■ 20.5938, 11.2364,
22.7246

■ 22.8554, 14.7295,
26.6540

■ 19.8558, 10.2430,
20.9906

■ 24.4306, 17.3321,
28.8683

■ 19.3322, 9.6573,
19.3935

■ 26.3315, 20.5637,
31.2598

■ 19.1604, 9.4808,
18.8211

■ 28.5774, 24.4628,
33.8357

■ 31.1861, 29.0647,
36.6028

■ 34.1742, 34.4022,
39.5673

■ 37.5571, 40.5063,
42.7351

■ 41.3495, 47.4059,
46.1118

■ 45.5653, 55.1285,
49.7028

Harmonies

Analogous

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



18.0187, 12.7129, 42.1798



21.5840, 12.7129, 24.6088



22.3235, 12.7129, 10.6534

Triad

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



21.5840, 12.7129, 24.6088



10.9114, 12.7129, 1.1190



6.6645, 12.7129, 34.5273

Complementary

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



21.5840, 12.7129, 24.6088



16.9475, 28.7855, 13.4683

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.



5.5802, 12.7129, 17.6112



21.5840, 12.7129, 24.6088



7.6195, 12.7129, 2.3058

Square

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



21.5840, 12.7129, 24.6088



15.4154, 12.7129, 1.4066



5.8822, 12.7129, 6.7880



9.2696, 12.7129, 49.9035

Rectangle

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



21.5840, 12.7129, 24.6088



20.9800, 12.7129, 5.3259



5.8822, 12.7129, 6.7880



6.1423, 12.7129, 28.5335

Sweetspot

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



21.5844, 12.7135, 24.6090



54.5720, 49.1584, 64.3235



12.0745, 7.5292, 36.8936



11.9276, 10.4990, 14.0915



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.



21.5844, 12.7135, 24.6090



36.6221, 19.3485, 39.5657



18.6510, 11.5401, 9.1616



7.7533, 7.6312, 9.0180



14.8782, 7.3600, 14.7018



0.3818, 0.1870, 0.4618

Inverse Universe

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



21.5844, 12.7135, 24.6090



36.6221, 19.3485, 39.5657



20.0259, 30.0169, 29.6791



7.7533, 7.6312, 9.0180



14.8782, 7.3600, 14.7018



0.3818, 0.1870, 0.4618

Previews

White Background



This preview shows how the XYZ color 21.5840, 12.7129, 24.6088 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 21.5840, 12.7129, 24.6088

Background



This preview shows how black text looks on a background with the XYZ color 21.5840, 12.7129, 24.6088.



This preview shows how white text looks on a background with the XYZ color 21.5840, 12.7129,

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

21.5840, 12.7129, 24.6088

Protanopia

14.1492, 12.9397, 39.7821

Deuteranopia

13.2104, 12.9683, 22.9260



Tritanopia

18.1541, 12.6441, 8.5049

Trichromacy



Original Color

21.5840, 12.7129, 24.6088

Protanomaly

15.0905, 11.6584, 33.8027

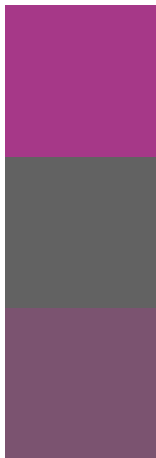
Deuteranomaly

15.1433, 11.9174, 23.3319

Tritanomaly

19.0531, 12.4597, 12.9560

Monochromacy



Original Color

21.5840, 12.7129, 24.6088

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

14.1863, 11.5673, 16.8143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5840, 12.7129, 24.6088 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, 56, 136)` looks like.

```
.text, #text, p{  
    color:rgb(166, 56, 136)  
}
```

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, 56, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 56, 136) }
```

Border

The CSS property to change the border of an element to XYZ 21.5840, 12.7129, 24.6088 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, 56, 136) }
```


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

```
.border{ border-color:rgb(166, 56, 136) }
```

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

Here you see how a box with a 4 pixel rgb(166, 56, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 56, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 56, 136);  
box-shadow:4px 4px 4px 4px rgb(166, 56,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5840, 12.7129, 24.6088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 56, 136) }
```

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

```
.background{ background-color: rgb(166, 56,  
136) }
```

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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