

Converting Colors

XYZ(21.4318, 20.3667, 36.3582)

Have a look what the booklet for
XYZ(21.4318, 20.3667, 36.3582)
contains.

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Color

**XYZ(21.4617, 20.2912,
36.5037)**

Conversions

Conversions Part 1

Format	Color
Hex	7C78A1
RGB	124, 120, 161
RGB Percent	49%, 47%, 63%
CMY	0.5137, 0.5294, 0.3686
CMYK	0.23, 0.25, 0.00, 0.37
HSL	246°, 18%, 55%
HSV	246°, 25%, 63%
XYZ	21.4617, 20.2912, 36.5037
YIQ	125.8700, -10.7770, 13.5990

Conversions

Conversions Part 2

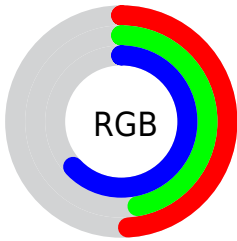
Format	Color
RYB	124, 120, 161
Decimal	8157345
CIELab	52.16, 10.66, -21.41
CIELCh	52, 23.918, 296.458
Yxy	20.2912, 0.2742, 0.2593
Android (android.graphics.Color)	4286347425 (0xFF7C78A1)
YUV	125.8700, 17.3191, -1.6400
Hunter-Lab	45.0458, 6.2149, -16.5148

Details

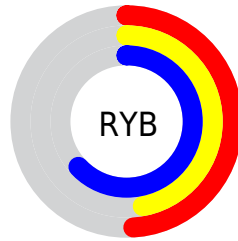
The XYZ color **21.4617, 20.2912, 36.5037** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.0402, 34.0144, 22.7522**, and the grayscale version is **19.7333, 20.7609, 22.6086**.

A 20% lighter version of the original color is **45.2787, 43.8100, 71.0355**, and **7.9017, 7.1947, 15.4402** is the 20% darker color. If you saturate the color by 10%, you get **17.7386, 15.7355, 35.8209**, and if you desaturate by 10%, it is **25.8211, 25.6592, 37.3104**.

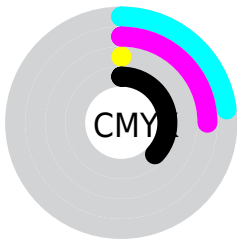
Distribution



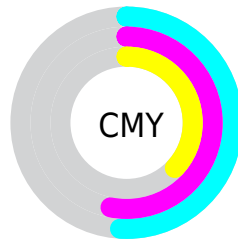
- Red (49%)
- Green (47%)
- Blue (63%)



- Red (49%)
- Yellow (47%)
- Blue (63%)



- Cyan (23%)
- Magenta (25%)
- Yellow (0%)
- Black (37%)



- Cyan (51%)
- Magenta (53%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4617, 20.2912, 36.5037 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 21.4617, 20.2912, 36.5037 by changing the saturation by 10% instead.

■ 21.4617, 20.2912,
36.5037

■ 21.4617, 20.2912,
36.5037

252.4076,
253.4872, 346.2606

■ 13.5763, 12.6069,
24.5307

■ 45.3402, 43.9049,
70.9866

■ 7.9063, 7.1584,
15.5119

■ 62.0640, 60.6030,
94.3335

■ 4.0863, 3.5614,
9.0289

■ 82.4646, 81.0746,
122.3089

■ 1.7511, 1.4314,
4.6629

106.9074,
105.7039, 155.3312

■ 0.4879, 0.2397,
1.9956

135.7577,
134.8755, 193.8190

■ 0.0000, 0.0000,
0.5526

169.3810,

■ 0.0000, 0.0000,

168.9736, 238.1908

0.0000

208.1425,
208.3827, 288.8651

■ 21.4617, 20.2912,
36.5037

■ 21.4617, 20.2912,
36.5037

■ 17.7386, 15.7355,
35.8209

■ 25.8211, 25.6592,
37.3104

■ 14.6201, 11.9501,
35.2546

■ 30.8426, 31.8738,
38.2453

■ 12.0746, 8.8931,
34.7987

■ 36.5530, 38.9703,
39.3141

■ 10.0671, 6.5174,
34.4460

■ 42.9771, 46.9815,
40.5218

■ 8.5584, 4.7705,
34.1883

■ 50.1382, 55.9381,
41.8732

■ 7.5043, 3.5922,
34.0164

■ 58.0588, 65.8697,
43.3727

■ 6.8498, 2.9057,
33.9184

■ 66.7605, 76.8046,
45.0247

■ 6.6418, 2.6808,
33.8860

■ 76.2637, 88.7697,
46.8333

■ 83.3472, 95.3090,
47.7222

Harmonies

Analogous

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



18.9967, 20.2912, 38.4768



21.4617, 20.2912, 36.5037



23.4842, 20.2912, 30.4165

Triad

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



21.4617, 20.2912, 36.5037



22.0075, 20.2912, 12.6501



14.9568, 20.2912, 21.2708

Complementary

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



21.4617, 20.2912, 36.5037



30.0402, 34.0144, 22.7522

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.



15.6208, 20.2912, 15.4471



21.4617, 20.2912, 36.5037



19.5786, 20.2912, 11.1800

Square

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



21.4617, 20.2912, 36.5037



23.8176, 20.2912, 16.6122



17.2629, 20.2912, 12.0841



15.3694, 20.2912, 28.6650

Rectangle

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



21.4617, 20.2912, 36.5037



24.2372, 20.2912, 25.4051



17.2629, 20.2912, 12.0841



15.0600, 20.2912, 19.0832

Sweetspot

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



21.4624, 20.2920, 36.5042



52.7016, 53.9411, 68.0205



26.3352, 30.8786, 38.2908



11.2692, 11.4721, 14.8640



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.4624, 20.2920, 36.5042



34.2255, 31.1809, 64.6012



24.6372, 21.9287, 36.6527



6.7616, 6.8915, 8.8769



5.3218, 2.1500, 27.0643



0.1298, 0.0544, 0.5695

Inverse Universe

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



27.5008, 23.4450, 34.9746



47.0912, 37.9022, 61.1940



26.4658, 32.1717, 22.5849



7.3344, 7.1902, 8.7474



15.8471, 7.6949, 22.1831



0.3410, 0.1649, 0.5083

Previews

White Background



This preview shows how the XYZ color 21.4617, 20.2912, 36.5037 looks on a white 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

Black Background



This preview shows how the XYZ color 21.4617, 20.2912, 36.5037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

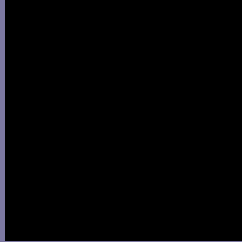
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4617, 20.2912, 36.5037

Background



This preview shows how black text looks on a background with the XYZ color 21.4617, 20.2912, 36.5037.



This preview shows how white text looks on a background with the XYZ color 21.4617, 20.2912,

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

21.4617, 20.2912, 36.5037

Protanopia

20.5039, 20.3210, 37.4920

Deuteranopia

20.7287, 20.2742, 36.5390



Tritanopia

19.3145, 20.3384, 25.8294

Trichromacy



Original Color

21.4617, 20.2912, 36.5037

Protanomaly

20.8172, 20.3096, 37.0054

Deuteranomaly

21.0161, 20.2410, 36.5175

Tritanomaly

20.0022, 20.2445, 29.2389

Monochromacy



Original Color

21.4617, 20.2912, 36.5037

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.3253, 20.6394, 27.3386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4617, 20.2912, 36.5037 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(124, 120, 161)` looks like.

```
.text, #text, p{  
    color:rgb(124, 120, 161)  
}
```

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(124, 120, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 120, 161) }
```

Border

The CSS property to change the border of an element to XYZ 21.4617, 20.2912, 36.5037 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(124, 120, 161) }
```


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

```
.border{ border-color:rgb(124, 120, 161) }
```

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

Here you see how a box with a 4 pixel rgb(124, 120, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 120, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 120, 161);  
box-shadow:4px 4px 4px 4px rgb(124, 120,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4617, 20.2912, 36.5037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 120, 161) }
```

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

```
.background{ background-color: rgb(124,  
120, 161) }
```

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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