

Converting Colors

XYZ(21.2837, 17.2514, 37.3300)

Have a look what the booklet for
XYZ(21.2837, 17.2514, 37.3300)
contains.

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Color

**XYZ(21.2837, 17.2514,
37.3300)**

Conversions

Conversions Part 1

Format	Color
Hex	8666A4
RGB	134, 102, 164
RGB Percent	53%, 40%, 64%
CMY	0.4745, 0.6000, 0.3569
CMYK	0.18, 0.38, 0.00, 0.36
HSL	271°, 25%, 52%
HSV	271°, 38%, 64%
XYZ	21.2837, 17.2514, 37.3300
YIQ	118.6360, -0.8300, 26.0660

Conversions

Conversions Part 2

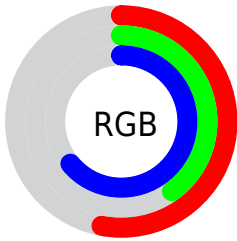
Format	Color
R_{YB}	134, 102, 164
Decimal	8808100
CIE _{Lab}	48.58, 25.28, -28.64
CIE _{LCh}	49, 38.206, 311.437
Yxy	17.2514, 0.2805, 0.2274
Android (android.graphics.Color)	4286998180 (0xFF8666A4)
YUV	118.6360, 22.3645, 13.4742
Hunter-Lab	41.5348, 18.7829, -24.2134

Details

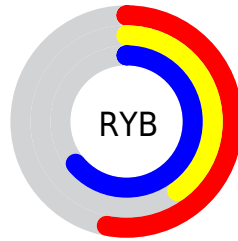
The XYZ color **21.2837, 17.2514, 37.3300** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.1899, 32.4161, 17.5004**, and the grayscale version is **17.3521, 18.2558, 19.8805**.

A 20% lighter version of the original color is **44.9165, 38.5883, 72.0988**, and **7.8111, 5.6472, 16.0076** is the 20% darker color. If you saturate the color by 10%, you get **18.6110, 13.7133, 36.7882**, and if you desaturate by 10%, it is **24.3714, 21.4775, 37.9833**.

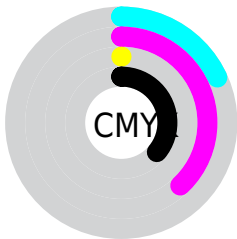
Distribution



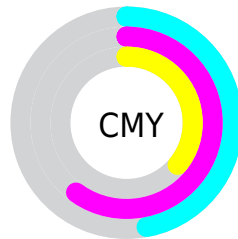
- Red (53%)
- Green (40%)
- Blue (64%)



- Red (53%)
- Yellow (40%)
- Blue (64%)



- Cyan (18%)
- Magenta (38%)
- Yellow (0%)
- Black (36%)



- Cyan (47%)
- Magenta (60%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2837, 17.2514, 37.3300 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 21.2837, 17.2514, 37.3300 by changing the saturation by 10% instead.

■ 21.2837, 17.2514,
37.3300

■ 21.2837, 17.2514,
37.3300

251.4857,
236.6170, 349.9487

■ 13.4452, 10.4139,
25.1653

■ 45.0469, 38.7575,
72.2720

■ 7.8149, 5.6742,
15.9801

■ 61.7024, 54.1949,
95.8864

■ 4.0275, 2.6480,
9.3559

■ 82.0275, 73.2677,
124.1545

■ 1.7177, 0.9509,
4.8741

■ 106.3876, 96.3604,
157.4948

■ 0.4673, 0.0000,
2.1161

135.1482,
123.8572, 196.3258

■ 0.0000, 0.0000,
0.6253

168.6744,

■ 0.0000, 0.0000,

156.1427, 241.0661

0.0000

207.3318,
193.6011, 292.1342

■ 21.2837, 17.2514,
37.3300

■ 21.2837, 17.2514,
37.3300

■ 18.6110, 13.7133,
36.7882

■ 24.3714, 21.4775,
37.9833

■ 16.3305, 10.8223,
36.3504

■ 27.8916, 26.4253,
38.7527

■ 14.4197, 8.5361,
36.0098


■ 31.8630, 32.1286,
39.6443


■ 12.8530, 6.8066,
35.7586


■ 36.3025, 38.6186,
40.6630


■ 11.6005, 5.5776,
35.5874


■ 41.2262, 45.9245,
41.8137


 10.6136, 4.7555,
35.4807

 46.6492, 54.0741,
43.1009

 10.4151, 4.5951,
35.4602

 52.5860, 63.0939,
44.5290

 59.0507, 73.0093,
46.1021

 66.0565, 83.8444,
47.8242

Harmonies

Analogous

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



17.7726, 17.2514, 44.8269



21.2837, 17.2514, 37.3300



23.6668, 17.2514, 25.6367

Triad

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



21.2837, 17.2514, 37.3300



18.6417, 17.2514, 5.7691



10.6294, 17.2514, 22.8853

Complementary

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



21.2837, 17.2514, 37.3300



25.1899, 32.4161, 17.5004

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.



10.7929, 17.2514, 13.2759



21.2837, 17.2514, 37.3300



15.0941, 17.2514, 5.4905

Square

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



21.2837, 17.2514, 37.3300



21.9976, 17.2514, 8.6726



12.3220, 17.2514, 7.6966



11.8381, 17.2514, 34.7078

Rectangle

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



21.2837, 17.2514, 37.3300



24.1155, 17.2514, 18.3029



12.3220, 17.2514, 7.6966



10.5308, 17.2514, 19.2731

Sweetspot

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



21.2843, 17.2521, 37.3304



55.2890, 54.6375, 71.3844



20.5684, 22.2808, 38.3388



11.8848, 11.6535, 15.5605



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.2843, 17.2521, 37.3304



34.6741, 26.0540, 66.9537



26.7625, 20.0762, 37.5868



7.0328, 7.0313, 8.8896



8.0410, 3.5518, 27.1915



0.2233, 0.1026, 0.5739

Inverse Universe

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



24.2266, 19.0618, 24.2328



40.9876, 29.9351, 38.9533



21.1538, 30.3354, 17.3115



7.2099, 7.1404, 8.0915



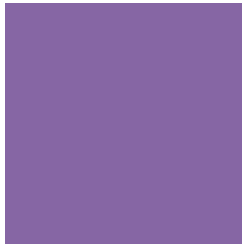
12.8548, 6.4980, 6.4259



0.2940, 0.1461, 0.2607

Previews

White Background



This preview shows how the XYZ color 21.2837, 17.2514, 37.3300 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 21.2837, 17.2514, 37.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

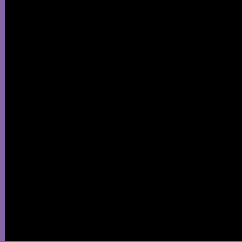
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2837, 17.2514, 37.3300

Background



This preview shows how black text looks on a background with the XYZ color 21.2837, 17.2514, 37.3300.



This preview shows how white text looks on a background with the XYZ color 21.2837, 17.2514,

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

21.2837, 17.2514, 37.3300

Protanopia

18.2795, 17.4847, 41.9466

Deuteranopia

17.7944, 17.3526, 36.5939



Tritanopia

17.8270, 17.2370, 20.1568

Trichromacy



Original Color

21.2837, 17.2514, 37.3300

Protanomaly

19.1383, 17.3054, 40.3618

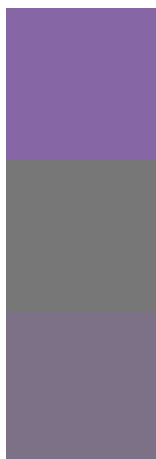
Deuteranomaly

18.8689, 17.2409, 36.9837

Tritanomaly

19.0124, 17.2485, 25.6198

Monochromacy



Original Color

21.2837, 17.2514, 37.3300

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.5905, 17.8446, 25.3862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2837, 17.2514, 37.3300 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(134, 102, 164)` looks like.

```
.text, #text, p{  
    color:rgb(134, 102, 164)  
}
```

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(134, 102, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 102, 164) }
```

Border

The CSS property to change the border of an element to XYZ 21.2837, 17.2514, 37.3300 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(134, 102, 164) }
```


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

```
.border{ border-color:rgb(134, 102, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 102, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 102, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 102, 164);  
box-shadow:4px 4px 4px 4px rgb(134, 102,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2837, 17.2514, 37.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 102, 164) }
```

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

```
.background{ background-color: rgb(134,  
102, 164) }
```

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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