

Converting Colors

XYZ(21.3870, 15.1520, 17.8532)

Have a look what the booklet for
XYZ(21.3870, 15.1520, 17.8532)
contains.

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Color

**XYZ(21.3644, 15.1420,
17.7163)**

Conversions

Conversions Part 1

Format	Color
Hex	A45272
RGB	164, 82, 114
RGB Percent	64%, 32%, 45%
CMY	0.3569, 0.6784, 0.5529
CMYK	0.00, 0.50, 0.30, 0.36
HSL	337°, 33%, 48%
HSV	337°, 50%, 64%
XYZ	21.3644, 15.1420, 17.7163
YIQ	110.1660, 38.6000, 27.3360

Conversions

Conversions Part 2

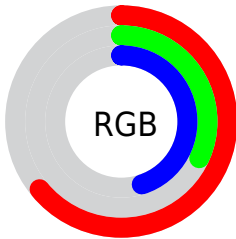
Format	Color
RYB	164, 82, 114
Decimal	10769010
CIELab	45.83, 37.51, -2.59
CIELCh	46, 37.598, 356.056
Yxy	15.1420, 0.3940, 0.2793
Android (android.graphics.Color)	4288959090 (0xFFA45272)
YUV	110.1660, 1.8902, 47.2124
Hunter-Lab	38.9127, 29.9053, 0.2452

Details

The XYZ color **21.3644, 15.1420, 17.7163** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **20.9207, 30.0111, 26.5214**, and the grayscale version is **14.8561, 15.6298, 17.0208**.

A 20% lighter version of the original color is **45.2268, 35.1755, 40.4822**, and **7.8066, 4.6776, 5.6457** is the 20% darker color. If you saturate the color by 10%, you get **19.7338, 12.7424, 14.5162**, and if you desaturate by 10%, it is **23.3537, 18.1591, 21.3433**.

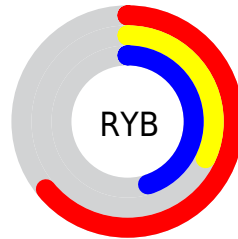
Distribution



Red (64%)

Green (32%)

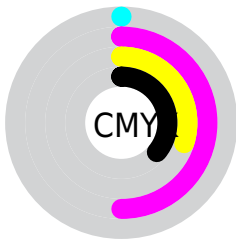
Blue (45%)



Red (64%)

Yellow (32%)

Blue (45%)

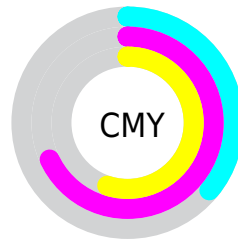


Cyan (0%)

Magenta (50%)

Yellow (30%)

Black (36%)



Cyan (36%)

Magenta (68%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3644, 15.1420, 17.7163 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 21.3644, 15.1420, 17.7163 by changing the saturation by 10% instead.

■ 21.3644, 15.1420,
17.7163

■ 21.3644, 15.1420,
17.7163

251.9040,
224.2241, 251.4493

■ 13.5046, 8.9191,
10.5792

■ 45.1799, 35.1021,
40.3607

■ 7.8563, 4.6885,
5.6740

■ 61.8664, 49.6081,
56.7050

■ 4.0542, 2.0657,
2.5823

■ 82.2258, 67.6439,
76.9555

■ 1.7328, 0.6452,
0.8833

■ 106.6234, 89.5939,
101.5307

■ 0.4767, 0.0000,
0.0000

■ 135.4247,
115.8426, 130.8492

■ 0.0000, 0.0000,
0.0000

168.9950,

146.7742, 165.3294

207.6997,
182.7733, 205.3899

■ 21.3644, 15.1420,
17.7163

■ 21.3644, 15.1420,
17.7163

■ 19.7338, 12.7424,
14.5162

■ 23.3537, 18.1591,
21.3433

■ 18.4371, 10.9145,
11.7246

■ 25.7216, 21.8308,
25.4129

■ 17.4485, 9.6095,
9.3225

■ 28.4879, 26.1939,
29.9408

■ 16.7372, 8.7696,
7.2889

■ 31.6708, 31.2817,
34.9417

■ 16.2353, 8.2628,
5.5894

■ 35.2873, 37.1256,
40.4295

■ 16.2352, 8.2626,
5.5890

■ 39.3533, 43.7549,
46.4176

■ 43.8840, 51.1973,
52.9187

■ 48.8938, 59.4794,
59.9452

■ 54.3965, 68.6264,
67.5090

Harmonies

Analogous

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



20.0598, 15.1420, 28.2725



21.3644, 15.1420, 17.7163



20.5872, 15.1420, 9.9501

Triad

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



21.3644, 15.1420, 17.7163



11.8788, 15.1420, 5.2563



11.2516, 15.1420, 35.6069

Complementary

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



21.3644, 15.1420, 17.7163



20.9207, 30.0111, 26.5214

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.



9.5840, 15.1420, 25.3984



21.3644, 15.1420, 17.7163



9.9071, 15.1420, 8.5385

Square

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



21.3644, 15.1420, 17.7163



14.8151, 15.1420, 4.4888



9.1303, 15.1420, 15.3160



13.9771, 15.1420, 40.7331

Rectangle

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



21.3644, 15.1420, 17.7163



19.0465, 15.1420, 6.8460



9.1303, 15.1420, 15.3160



10.5652, 15.1420, 32.5079

Sweetspot

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



21.3648, 15.1428, 17.7166



54.3383, 51.7332, 58.5191



19.1099, 13.5571, 36.7316



11.6318, 10.9148, 12.4025



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.



21.3648, 15.1428, 17.7166



35.5242, 22.7036, 25.7394



20.5065, 15.8486, 9.9619



7.1829, 7.1296, 7.9494



12.4703, 6.3442, 4.4014



0.2848, 0.1424, 0.2125

Inverse Universe

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



21.3648, 15.1428, 17.7166



35.5242, 22.7036, 25.7394



22.0360, 28.1845, 39.4008



7.1829, 7.1296, 7.9494



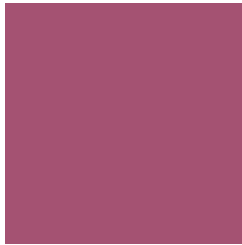
12.4703, 6.3442, 4.4014



0.2848, 0.1424, 0.2125

Previews

White Background



This preview shows how the XYZ color 21.3644, 15.1420, 17.7163 looks on a white background.

Color Contrast Check

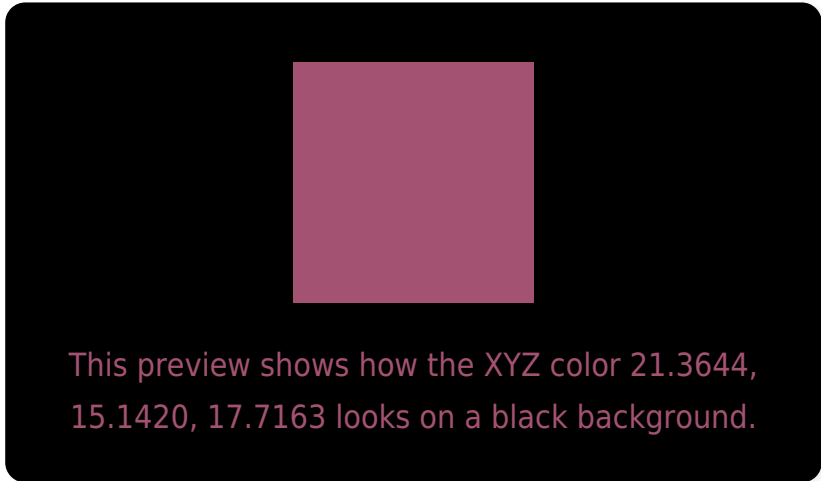
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3644, 15.1420, 17.7163

Background



This preview shows how black text looks on a background with the XYZ color 21.3644, 15.1420, 17.7163.



This preview shows how white text looks on a background with the XYZ color 21.3644, 15.1420,

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

21.3644, 15.1420, 17.7163

Protanopia

15.1007, 15.2799, 23.2725

Deuteranopia

15.5763, 15.3558, 16.8949



Tritanopia

20.1598, 15.1097, 11.9791

Trichromacy



Original Color

21.3644, 15.1420, 17.7163

Protanomaly

16.7041, 14.8145, 21.0479

Deuteranomaly

17.1356, 14.8480, 17.0017

Tritanomaly

20.6530, 15.2036, 13.9027

Monochromacy



Original Color

21.3644, 15.1420, 17.7163

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.6323, 15.0079, 17.0591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3644, 15.1420, 17.7163 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(164, 82, 114)` looks like.

```
.text, #text, p{  
    color:rgb(164, 82, 114)  
}
```

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(164, 82, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 82, 114) }
```

Border

The CSS property to change the border of an element to XYZ 21.3644, 15.1420, 17.7163 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(164, 82, 114) }
```


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

```
.border{ border-color:rgb(164, 82, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 82, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 82, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 82, 114);  
box-shadow:4px 4px 4px 4px rgb(164, 82,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3644, 15.1420, 17.7163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 82, 114) }
```

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

```
.background{ background-color: rgb(164, 82,  
114) }
```

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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