

Converting Colors

XYZ(12.3633, 15.5704, 21.4225)

Have a look what the booklet for
XYZ(12.3633, 15.5704, 21.4225)
contains.

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Color

**XYZ(12.3633, 15.5704,
21.4225)**

Conversions

Conversions Part 1

Format	Color
Hex	42767C
RGB	66, 118, 124
RGB Percent	26%, 46%, 49%
CMY	0.7412, 0.5372, 0.5137
CMYK	0.47, 0.05, 0.00, 0.51
HSL	186°, 31%, 37%
HSV	186°, 47%, 49%
XYZ	12.3633, 15.5704, 21.4225
YIQ	103.1360, -32.9180, -9.1580

Conversions

Conversions Part 2

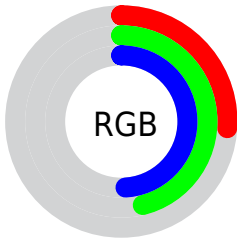
Format	Color
R_{YB}	66, 93, 124
Decimal	4355708
CIE _{Lab}	46.41, -15.65, -8.73
CIE _{LCh}	46, 17.920, 209.144
Yxy	15.5704, 0.2505, 0.3155
Android (android.graphics.Color)	4282545788 (0xFF42767C)
YUV	103.1360, 10.2860, -32.5683
Hunter-Lab	39.4593, -13.1267, -4.5670

Details

The XYZ color **12.3633, 15.5704, 21.4225** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.6131, 9.3133, 6.3402**, and the grayscale version is **12.9084, 13.5806, 14.7893**.

A 20% lighter version of the original color is **29.6824, 35.7356, 46.4075**, and **3.5108, 4.8223, 7.4024** is the 20% darker color. If you saturate the color by 10%, you get **11.4669, 14.8860, 21.3379**, and if you desaturate by 10%, it is **13.4439, 16.3535, 21.5170**.

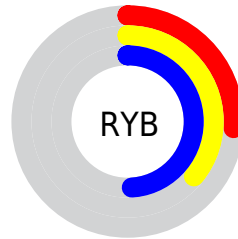
Distribution



Red (26%)

Green (46%)

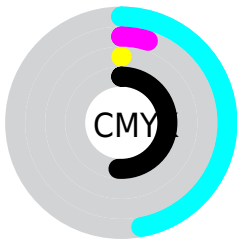
Blue (49%)



Red (26%)

Yellow (36%)

Blue (49%)

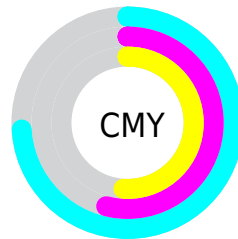


Cyan (47%)

Magenta (5%)

Yellow (0%)

Black (51%)



Cyan (74%)

Magenta (54%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3633, 15.5704, 21.4225 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 12.3633, 15.5704, 21.4225 by changing the saturation by 10% instead.

■ 12.3633, 15.5704,
21.4225

■ 12.3633, 15.5704,
21.4225

200.5170,
226.7932, 272.3698

■ 7.0656, 9.2207,
13.2389

■ 29.7662, 35.8508,
46.6795

■ 3.5498, 4.8854,
7.4606

■ 42.6021, 50.5502,
64.5901

■ 1.4508, 2.1802,
3.6690

■ 58.6814, 68.8017,
86.5800

■ 0.2920, 0.7092,
1.4456

■ 78.3696, 90.9896,
113.0679

■ 0.0000, 0.0000,
0.1769

■ 102.0318,
117.4983, 144.4723

■ 0.0000, 0.0000,
0.0000

130.0336,

148.7122, 181.2117

162.7402,
185.0157, 223.7047

■ 12.3633, 15.5704,
21.4225

■ 12.3633, 15.5704,
21.4225

■ 11.4669, 14.8860,
21.3379

■ 13.4439, 16.3535,
21.5170

■ 10.7414, 14.2923,
21.2616

■ 14.7180, 17.2392,
21.6208

■ 10.1741, 13.7832,
21.1932

■ 16.1960, 18.2330,
21.7347

■ 9.7497, 13.3508,
21.1321

■ 17.8873, 19.3398,
21.8592

■ 9.4373, 12.9792,
21.0768

■ 19.8004, 20.5641,
21.9947

■ 9.3418, 12.8626,
21.0594

■ 21.9435, 21.9101,
22.1415

■ 24.3246, 23.3818,
22.3001

■ 26.9508, 24.9831,
22.4708

■ 29.8294, 26.7177,
22.6538

Harmonies

Analogous

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



12.0344, 15.5704, 16.8273



12.3633, 15.5704, 21.4225



13.3335, 15.5704, 25.3146

Triad

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



12.3633, 15.5704, 21.4225



17.4863, 15.5704, 21.6797



14.8434, 15.5704, 9.8159

Complementary

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



12.3633, 15.5704, 21.4225



11.6131, 9.3133, 6.3402

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.



16.3686, 15.5704, 10.6718



12.3633, 15.5704, 21.4225



17.9580, 15.5704, 17.0804

Square

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



12.3633, 15.5704, 21.4225



16.2869, 15.5704, 25.4802



17.5357, 15.5704, 13.1538



13.4050, 15.5704, 10.5792

Rectangle

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



12.3633, 15.5704, 21.4225



14.2491, 15.5704, 26.7076



17.5357, 15.5704, 13.1538



15.3633, 15.5704, 9.9209

Sweetspot

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



12.3638, 15.5710, 21.4229



29.1919, 32.5421, 38.2993



10.6179, 16.0391, 8.6334



6.7536, 7.5839, 9.0110



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.3638, 15.5710, 21.4229



20.1001, 26.1333, 37.5415



9.4743, 9.7920, 20.4597



4.0734, 4.4450, 5.0865



9.4957, 13.0738, 21.4083



44.9313, 61.6351, 101.9984

Inverse Universe

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



13.5308, 9.4899, 18.2588



22.4749, 14.2530, 30.9921



13.9301, 13.9473, 7.1125



4.1375, 4.0707, 4.9216



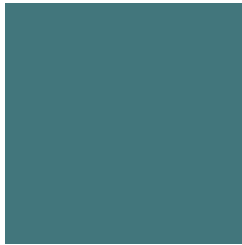
11.3763, 5.5267, 15.8044



54.0824, 26.2893, 74.4209

Previews

White Background



This preview shows how the XYZ color 12.3633, 15.5704, 21.4225 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 12.3633, 15.5704, 21.4225 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

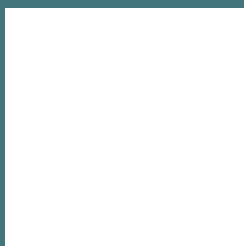
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3633, 15.5704, 21.4225

Background



This preview shows how black text looks on a background with the XYZ color 12.3633, 15.5704, 21.4225.



This preview shows how white text looks on a background with the XYZ color 12.3633, 15.5704,

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

12.3633, 15.5704, 21.4225

Protanopia

15.0453, 15.4965, 19.3377

Deuteranopia

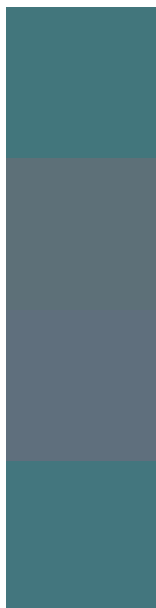
15.7057, 15.4665, 21.8962



Tritanopia

12.6239, 15.6825, 22.4403

Trichromacy



Original Color

12.3633, 15.5704, 21.4225

Protanomaly

13.6985, 15.2716, 19.9950

Deuteranomaly

14.1054, 15.2824, 21.6084

Tritanomaly

12.5591, 15.6565, 22.0987

Monochromacy



Original Color

12.3633, 15.5704, 21.4225

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.4483, 14.0465, 17.0941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3633, 15.5704, 21.4225 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(66, 118, 124) looks like.

```
.text, #text, p{  
    color:rgb(66, 118, 124)  
}
```

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(66, 118, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 118, 124) }
```

Border

The CSS property to change the border of an element to XYZ 12.3633, 15.5704, 21.4225 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(66, 118, 124) }
```


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

```
.border{ border-color:rgb(66, 118, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 118, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 118, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 118, 124);  
box-shadow:4px 4px 4px 4px rgb(66, 118,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3633, 15.5704, 21.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 118, 124) }
```

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

```
.background{ background-color: rgb(66, 118,  
124) }
```

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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