

Converting Colors

XYZ(10.6982, 12.1384, 19.2886)

Have a look what the booklet for
XYZ(10.6982, 12.1384, 19.2886)
contains.

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Color

**XYZ(10.7536, 12.2124,
19.2432)**

Conversions

Conversions Part 1

Format	Color
Hex	486677
RGB	72, 102, 119
RGB Percent	28%, 40%, 47%
CMY	0.7176, 0.6000, 0.5333
CMYK	0.39, 0.14, 0.00, 0.53
HSL	202°, 25%, 37%
HSV	202°, 39%, 47%
XYZ	10.7536, 12.2124, 19.2432
YIQ	94.9680, -23.3370, -1.0730

Conversions

Conversions Part 2

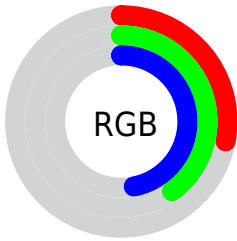
Format	Color
R_{YB}	72, 90, 119
Decimal	4744823
CIE _{Lab}	41.55, -6.24, -13.01
CIE _{LCh}	42, 14.428, 244.380
Yxy	12.2124, 0.2548, 0.2893
Android (android.graphics.Color)	4282934903 (0xFF486677)
YUV	94.9680, 11.8478, -20.1429
Hunter-Lab	34.9462, -6.2282, -8.1858




Details

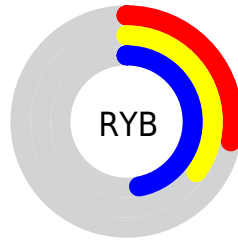
The XYZ color **10.7536, 12.2124, 19.2432** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.3499, 11.5346, 7.7066**, and the grayscale version is **10.8464, 11.4113, 12.4269**.




A 20% lighter version of the original color is **26.7680, 29.8603, 42.8809**, and **2.8569, 3.3695, 6.4610** is the 20% darker color. If you saturate the color by 10%, you get **9.5389, 10.9748, 19.0685**, and if you desaturate by 10%, it is **12.1628, 13.5835, 19.4338**.

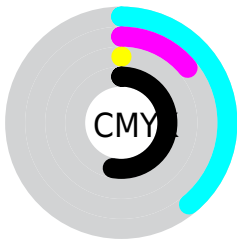
Distribution







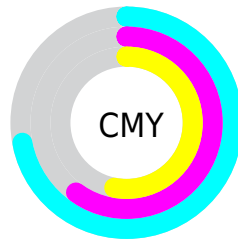
-  Red (28%)
-  Green (40%)
-  Blue (47%)






-  Red (28%)
-  Yellow (35%)
-  Blue (47%)



-  Cyan (39%)
-  Magenta (14%)
-  Yellow (0%)
-  Black (53%)



-  Cyan (72%)
-  Magenta (60%)
-  Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7536, 12.2124, 19.2432 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 10.7536, 12.2124, 19.2432 by changing the saturation by 10% instead.

■ 10.7536, 12.2124,
19.2432

■ 10.7536, 12.2124,
19.2432

189.9126,
205.8064, 260.2554

■ 5.9675, 6.8885,
11.6676

■ 26.8406, 29.8814,
42.9868

■ 2.8658, 3.3925,
6.3980

■ 38.8722, 42.9952,
59.9918

■ 1.0832, 1.3399,
3.0159

■ 54.0497, 59.4745,
80.9771

■ 0.0110, 0.1718,
1.1027

■ 72.7384, 79.7036,
106.3611

■ 0.0000, 0.0000,
0.0000

■ 95.3037, 104.0670,
136.5624

122.1109,

132.9490, 171.9995

153.5255,
166.7340, 213.0910

■ 10.7536, 12.2124,
19.2432

■ 10.7536, 12.2124,
19.2432

■ 9.5389, 10.9748,
19.0685

■ 12.1628, 13.5835,
19.4338

■ 8.5073, 9.8633,
18.9084

■ 13.7748, 15.0919,
19.6400

■ 7.6478, 8.8723,
18.7624

■ 15.5988, 16.7432,
19.8626

■ 6.9478, 7.9945,
18.6299

■ 17.6432, 18.5422,
20.1021

■ 6.3927, 7.2220,
18.5100

■ 19.9156, 20.4931,
20.3589

■ 5.9341, 6.5293,
18.4005

■ 22.4236, 22.6004,
20.6334

■ 5.9116, 6.4955,
18.3951

■ 25.1742, 24.8681,
20.9262

■ 28.1742, 27.3001,
21.2375

■ 31.4300, 29.9002,
21.5677

Harmonies

Analogous

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



10.0149, 12.2124, 16.8490



10.7536, 12.2124, 19.2432



11.7629, 12.2124, 19.9599

Triad

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



10.7536, 12.2124, 19.2432



13.7464, 12.2124, 12.8591



10.5010, 12.2124, 9.0615

Complementary

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



10.7536, 12.2124, 19.2432



12.3499, 11.5346, 7.7066

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.



11.4535, 12.2124, 8.3116



10.7536, 12.2124, 19.2432



13.3606, 12.2124, 10.2833

Square

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



10.7536, 12.2124, 19.2432



13.5312, 12.2124, 15.9663



12.5055, 12.2124, 8.7227



9.8754, 12.2124, 10.9435

Rectangle

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



10.7536, 12.2124, 19.2432



12.4638, 12.2124, 19.3111



12.5055, 12.2124, 8.7227



10.7914, 12.2124, 8.6828

Sweetspot

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



10.7540, 12.2129, 19.2435



26.9759, 29.1250, 35.4530



11.0497, 15.2836, 11.6984



6.3151, 6.8322, 8.3926



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



10.7540, 12.2129, 19.2435



17.3455, 19.9279, 34.1853



8.8021, 8.3090, 18.5928



3.6772, 3.9431, 4.6575



6.2714, 6.8825, 19.5405



29.7270, 31.8707, 94.9452

Inverse Universe

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



12.3237, 9.5162, 13.7582



20.6437, 14.7124, 22.5585



14.5663, 15.9673, 8.4454



3.7731, 3.7365, 4.3319



9.4627, 4.7188, 7.6445



45.6916, 22.8268, 35.0349

Previews

White Background



This preview shows how the XYZ color 10.7536, 12.2124, 19.2432 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 10.7536, 12.2124, 19.2432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

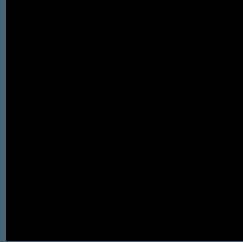
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.7536, 12.2124, 19.2432

Background



This preview shows how black text looks on a background with the XYZ color 10.7536, 12.2124, 19.2432.

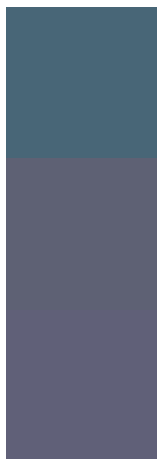


This preview shows how white text looks on a background with the XYZ color 10.7536, 12.2124,

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

10.7536, 12.2124, 19.2432

Protanopia

12.0432, 12.1900, 18.2412

Deuteranopia

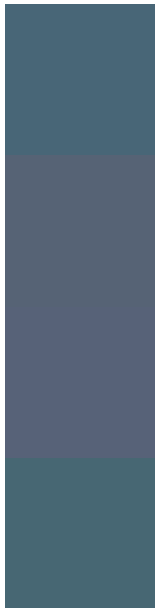
12.3969, 12.2086, 19.4724



Tritanopia

10.3007, 12.1724, 17.1358

Trichromacy



Original Color

10.7536, 12.2124, 19.2432

Protanomaly

11.5105, 12.1865, 18.5752

Deuteranomaly

11.6883, 12.1177, 19.4922

Tritanomaly

10.5433, 12.2779, 18.0338

Monochromacy



Original Color

10.7536, 12.2124, 19.2432

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.7969, 11.7611, 14.7978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7536, 12.2124, 19.2432 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(72, 102, 119)` looks like.

```
.text, #text, p{  
    color:rgb(72, 102, 119)  
}
```

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(72, 102, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 102, 119) }
```

Border

The CSS property to change the border of an element to XYZ 10.7536, 12.2124, 19.2432 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(72, 102, 119) }
```


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

```
.border{ border-color:rgb(72, 102, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 102, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 102, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 102, 119);  
box-shadow:4px 4px 4px 4px rgb(72, 102,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7536, 12.2124, 19.2432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 102, 119) }
```

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

```
.background{ background-color: rgb(72, 102,  
119) }
```

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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