

Converting Colors

XYZ(10.6782, 12.7378, 19.6177)

Have a look what the booklet for
XYZ(10.6782, 12.7378, 19.6177)
contains.

XYZ(10.7242, 12.7880, 19.6724)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.7242, 12.7880,
19.6724)**

Conversions

Conversions Part 1

Format	Color
Hex	416A78
RGB	65, 106, 120
RGB Percent	25%, 42%, 47%
CMY	0.7451, 0.5843, 0.5294
CMYK	0.46, 0.12, 0.00, 0.53
HSL	195°, 30%, 36%
HSV	195°, 46%, 47%
XYZ	10.7242, 12.7880, 19.6724
YIQ	95.3370, -28.9300, -4.3380

Conversions

Conversions Part 2

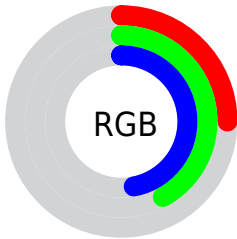
Format	Color
R_{YB}	65, 88, 120
Decimal	4287096
CIE _{Lab}	42.44, -10.30, -12.30
CIE _{LCh}	42, 16.043, 230.073
Yxy	12.7880, 0.2483, 0.2961
Android (android.graphics.Color)	4282477176 (0xFF416A78)
YUV	95.3370, 12.1589, -26.6055
Hunter-Lab	35.7603, -9.0500, -7.5843

Details

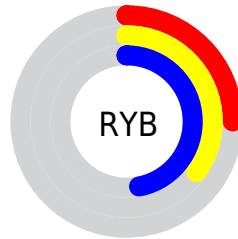
The XYZ color **10.7242, 12.7880, 19.6724** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.4961, 9.9669, 6.3193**, and the grayscale version is **10.9351, 11.5046, 12.5285**.

A 20% lighter version of the original color is **26.7058, 30.8055, 43.5682**, and **2.8853, 3.6740, 6.6880** is the 20% darker color. If you saturate the color by 10%, you get **9.7036, 11.8031, 19.5363**, and if you desaturate by 10%, it is **11.9257, 13.8833, 19.8207**.

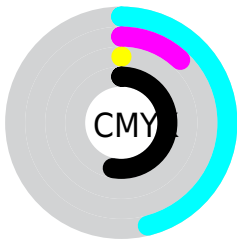
Distribution



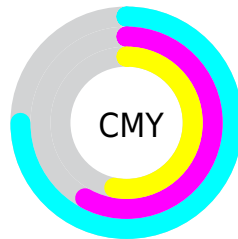
- Red (25%)
- Green (42%)
- Blue (47%)



- Red (25%)
- Yellow (35%)
- Blue (47%)



- Cyan (46%)
- Magenta (12%)
- Yellow (0%)
- Black (53%)



- Cyan (75%)
- Magenta (58%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7242, 12.7880, 19.6724 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 10.7242, 12.7880, 19.6724 by changing the saturation by 10% instead.

■ 10.7242, 12.7880,
19.6724

■ 10.7242, 12.7880,
19.6724

189.7131,
209.5545, 262.6814

■ 5.9476, 7.2827,
11.9754

■ 26.7865, 30.9224,
43.7190

■ 2.8536, 3.6395,
6.6046

■ 38.8030, 44.3203,
60.9057

■ 1.0768, 1.4740,
3.1414

■ 53.9634, 61.1179,
82.0927

■ 0.0056, 0.2704,
1.1673

■ 72.6332, 81.6995,
107.6985

■ 0.0000, 0.0000,
0.0000

■ 95.1777, 106.4496,
138.1418

121.9623,

135.7525, 173.8410

153.3523,
169.9927, 215.2147

■ 10.7242, 12.7880,
19.6724

■ 10.7242, 12.7880,
19.6724

■ 9.7036, 11.8031,
19.5363

■ 11.9257, 13.8833,
19.8207

■ 8.8517, 10.9215,
19.4110

■ 13.3167, 15.0929,
19.9809

■ 8.1568, 10.1370,
19.2962

■ 14.9069, 16.4221,
20.1536

■ 7.6050, 9.4424,
19.1913

■ 16.7049, 17.8756,
20.3394

■ 7.1709, 8.8245,
19.0949

■ 18.7188, 19.4577,
20.5386

■ 7.0007, 8.5772,
19.0561

■ 20.9561, 21.1724,
20.7517

■ 23.4241, 23.0237,
20.9790

■ 26.1297, 25.0152,
21.2208

■ 29.0794, 27.1506,
21.4775

Harmonies

Analogous

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



10.1012, 12.7880, 16.3336



10.7242, 12.7880, 19.6724



11.7586, 12.7880, 21.5566

Triad

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



10.7242, 12.7880, 19.6724



14.5887, 12.7880, 15.1024



11.3749, 12.7880, 8.5646

Complementary

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



10.7242, 12.7880, 19.6724



11.4961, 9.9669, 6.3193

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.



12.5594, 12.7880, 8.3464



10.7242, 12.7880, 19.6724



14.4690, 12.7880, 11.7637

Square

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



10.7242, 12.7880, 19.6724



14.0239, 12.7880, 18.6437



13.7069, 12.7880, 9.4210



10.4593, 12.7880, 10.0766

Rectangle

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



10.7242, 12.7880, 19.6724



12.5653, 12.7880, 21.5526



13.7069, 12.7880, 9.4210



11.7530, 12.7880, 8.3484

Sweetspot

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



10.7246, 12.7885, 19.6727



26.6656, 29.2498, 35.4934



10.2990, 15.1179, 9.7251



6.1928, 6.8280, 8.3982



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.



10.7246, 12.7885, 19.6727



16.9823, 20.6750, 34.3487



8.3485, 8.0362, 18.8807



4.0248, 4.3479, 5.0703



7.6257, 9.3339, 20.7850



35.6669, 43.1064, 98.9103

Inverse Universe

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



12.2379, 8.8147, 14.6926



20.1007, 13.1181, 23.9445



13.8800, 14.7347, 7.1139



4.1130, 4.0609, 4.7926



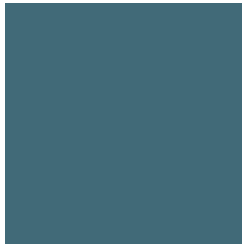
10.4324, 5.1491, 10.8341



49.4061, 24.4188, 49.7962

Previews

White Background



This preview shows how the XYZ color 10.7242, 12.7880, 19.6724 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 10.7242, 12.7880, 19.6724 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

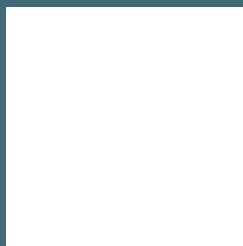
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.7242, 12.7880, 19.6724

Background



This preview shows how black text looks on a background with the XYZ color 10.7242, 12.7880, 19.6724.

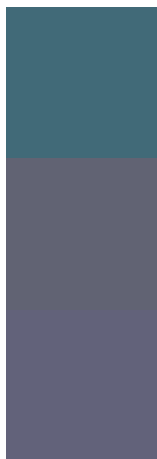


This preview shows how white text looks on a background with the XYZ color 10.7242, 12.7880,

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

10.7242, 12.7880, 19.6724

Protanopia

12.4861, 12.7029, 18.0135

Deuteranopia

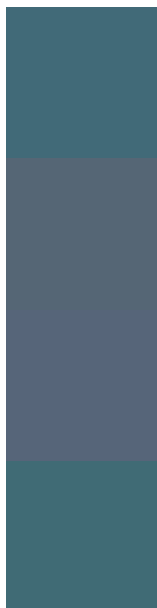
12.9175, 12.7372, 20.1900



Tritanopia

10.4666, 12.8432, 18.1470

Trichromacy



Original Color

10.7242, 12.7880, 19.6724

Protanomaly

11.7086, 12.7184, 18.6674

Deuteranomaly

11.9426, 12.6663, 19.9046

Tritanomaly

10.5829, 12.8897, 18.7598

Monochromacy



Original Color

10.7242, 12.7880, 19.6724

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.6167, 11.8080, 14.8163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7242, 12.7880, 19.6724 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(65, 106, 120)` looks like.

```
.text, #text, p{  
    color:rgb(65, 106, 120)  
}
```

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(65, 106, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 106, 120) }
```

Border

The CSS property to change the border of an element to XYZ 10.7242, 12.7880, 19.6724 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(65, 106, 120) }
```


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

```
.border{ border-color:rgb(65, 106, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 106, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 106, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 106, 120);  
box-shadow:4px 4px 4px 4px rgb(65, 106,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7242, 12.7880, 19.6724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 106, 120) }
```

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

```
.background{ background-color: rgb(65, 106,  
120) }
```

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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