

Converting Colors

XYZ(10.2230, 12.6318, 18.8220)

Have a look what the booklet for
XYZ(10.2230, 12.6318, 18.8220)
contains.

XYZ(10.2722, 12.7296, 18.7453)	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(10.2722, 12.7296,
18.7453)**

Conversions

Conversions Part 1

Format	Color
Hex	3B6B75
RGB	59, 107, 117
RGB Percent	23%, 42%, 46%
CMY	0.7686, 0.5804, 0.5412
CMYK	0.50, 0.09, 0.00, 0.54
HSL	190°, 33%, 35%
HSV	190°, 50%, 46%
XYZ	10.2722, 12.7296, 18.7453
YIQ	93.7880, -31.8180, -7.0660

Conversions

Conversions Part 2

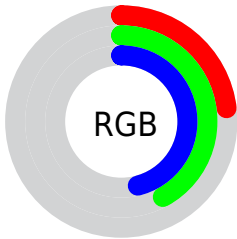
Format	Color
RYB	59, 85, 117
Decimal	3894133
CIELab	42.35, -13.36, -10.65
CIELCh	42, 17.084, 218.573
Yxy	12.7296, 0.2461, 0.3049
Android (android.graphics.Color)	4282084213 (0xFF3B6B75)
YUV	93.7880, 11.4435, -30.5091
Hunter-Lab	35.6786, -11.0456, -6.1756

Details

The XYZ color **10.2722, 12.7296, 18.7453** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.2538, 8.3540, 5.2100**, and the grayscale version is **10.5689, 11.1193, 12.1089**.

A 20% lighter version of the original color is **25.8187, 30.6333, 42.0881**, and **2.7026, 3.6678, 6.1957** is the 20% darker color. If you saturate the color by 10%, you get **9.4472, 11.9960, 18.6474**, and if you desaturate by 10%, it is **11.2583, 13.5541, 18.8527**.

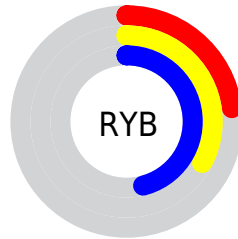
Distribution



Red (23%)

Green (42%)

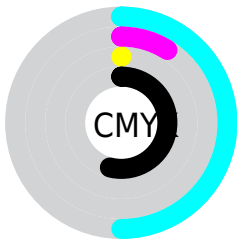
Blue (46%)



Red (23%)

Yellow (33%)

Blue (46%)

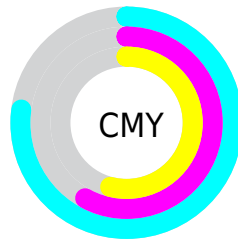


Cyan (50%)

Magenta (9%)

Yellow (0%)

Black (54%)



Cyan (77%)

Magenta (58%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2722, 12.7296, 18.7453 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 10.2722, 12.7296, 18.7453 by changing the saturation by 10% instead.

10.2722, 12.7296,
18.7453

10.2722, 12.7296,
18.7453

186.6172,
209.1774, 257.4147

5.6435, 7.2426,
11.3114

25.9513, 30.8171,
42.1342

2.6681, 3.6143,
6.1599

37.7323, 44.1865,
58.9264

0.9808, 1.4602,
2.8722

52.6282, 60.9521,
79.6750

0.0000, 0.2605,
1.0298

71.0043, 81.4983,
104.7987

0.0000, 0.0000,
0.0000

93.2258, 106.2095,
134.7160

119.6583,

135.4702, 169.8454

150.6670,
169.6647, 210.6055

■ 10.2722, 12.7296,
18.7453

■ 10.2722, 12.7296,
18.7453

■ 9.4472, 11.9960,
18.6474

■ 11.2583, 13.5541,
18.8527

■ 8.7717, 11.3465,
18.5576

■ 12.4141, 14.4731,
18.9692

■ 8.2342, 10.7753,
18.4757

■ 13.7486, 15.4916,
19.0954

■ 7.8210, 10.2752,
18.4010

■ 15.2700, 16.6139,
19.2319

■ 7.4843, 9.8217,
18.3312

■ 16.9862, 17.8441,
19.3789

■ 7.4700, 9.8025,
18.3282

■ 18.9042, 19.1858,
19.5367

■ 21.0309, 20.6428,
19.7059

■ 23.3730, 22.2183,
19.8865

■ 25.9365, 23.9157,
20.0791

Harmonies

Analogous

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



9.8214, 12.7296, 14.9398



10.2722, 12.7296, 18.7453



11.2206, 12.7296, 21.5266

Triad

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



10.2722, 12.7296, 18.7453



14.5422, 12.7296, 16.6030



11.7353, 12.7296, 7.9853

Complementary

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



10.2722, 12.7296, 18.7453



10.2538, 8.3540, 5.2100

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.



13.0223, 12.7296, 8.2719



10.2722, 12.7296, 18.7453



14.7043, 12.7296, 12.8342

Square

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



10.2722, 12.7296, 18.7453



13.7023, 12.7296, 20.1457



14.1307, 12.7296, 9.9076



10.6261, 12.7296, 9.0407

Rectangle

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



10.2722, 12.7296, 18.7453



12.0378, 12.7296, 22.1847



14.1307, 12.7296, 9.9076



12.1606, 12.7296, 7.9323

Sweetspot

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



10.2726, 12.7301, 18.7456



25.7177, 28.5584, 34.2938



9.2290, 14.0782, 7.8073



5.8119, 6.4911, 7.8756



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.2726, 12.7301, 18.7456



16.7905, 21.3640, 33.3757



7.7629, 7.7107, 17.9090



3.7322, 4.0530, 4.6758



8.2205, 10.7807, 20.1902



39.5087, 51.4340, 98.2057

Inverse Universe

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



11.5542, 7.9716, 14.8402



19.4463, 12.1162, 25.1458



12.4623, 12.7711, 5.9461



3.8008, 3.7476, 4.4780



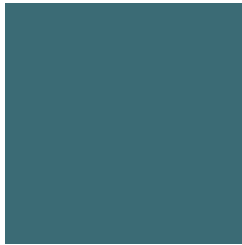
10.4465, 5.1123, 12.8251



50.6289, 24.8017, 61.0345

Previews

White Background



This preview shows how the XYZ color 10.2722, 12.7296, 18.7453 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 10.2722, 12.7296, 18.7453 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

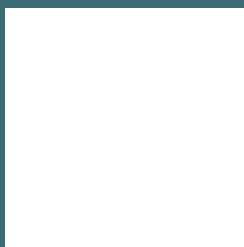
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.2722, 12.7296, 18.7453

Background



This preview shows how black text looks on a background with the XYZ color 10.2722, 12.7296, 18.7453.



This preview shows how white text looks on a background with the XYZ color 10.2722, 12.7296,

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

10.2722, 12.7296, 18.7453

Protanopia

12.4235, 12.6902, 17.1239

Deuteranopia

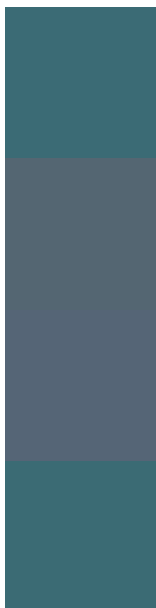
12.8600, 12.5906, 19.2052



Tritanopia

10.2137, 12.7062, 18.4372

Trichromacy



Original Color

10.2722, 12.7296, 18.7453

Protanomaly

11.4448, 12.6025, 17.7489

Deuteranomaly

11.6700, 12.5467, 18.9462

Tritanomaly

10.2137, 12.7062, 18.4372

Monochromacy



Original Color

10.2722, 12.7296, 18.7453

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.2535, 11.6323, 14.2752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2722, 12.7296, 18.7453 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(59, 107, 117)` looks like.

```
.text, #text, p{  
    color:rgb(59, 107, 117)  
}
```

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(59, 107, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 107, 117) }
```

Border

The CSS property to change the border of an element to XYZ 10.2722, 12.7296, 18.7453 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(59, 107, 117) }
```


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

```
.border{ border-color:rgb(59, 107, 117) }
```

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

Here you see how a box with a 4 pixel rgb(59, 107, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 107, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 107, 117);  
box-shadow:4px 4px 4px 4px rgb(59, 107,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2722, 12.7296, 18.7453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 107, 117) }
```

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

```
.background{ background-color: rgb(59, 107,  
117) }
```

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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