

Converting Colors

XYZ(10.1699, 12.2833, 19.5565)

Have a look what the booklet for
XYZ(10.1699, 12.2833, 19.5565)
contains.

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Color

**XYZ(10.2454, 12.3890,
19.6206)**

Conversions

Conversions Part 1

Format	Color
Hex	3B6978
RGB	59, 105, 120
RGB Percent	23%, 41%, 47%
CMY	0.7686, 0.5882, 0.5294
CMYK	0.51, 0.12, 0.00, 0.53
HSL	195°, 34%, 35%
HSV	195°, 51%, 47%
XYZ	10.2454, 12.3890, 19.6206
YIQ	92.9560, -32.2310, -5.0870

Conversions

Conversions Part 2

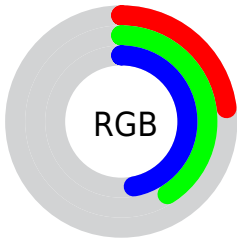
Format	Color
RYB	59, 85, 120
Decimal	3893624
CIELab	41.83, -11.30, -13.26
CIElCh	42, 17.424, 229.569
Yxy	12.3890, 0.2425, 0.2932
Android (android.graphics.Color)	4282083704 (0xFF3B6978)
YUV	92.9560, 13.3327, -29.7794
Hunter-Lab	35.1980, -9.6389, -8.4117

Details

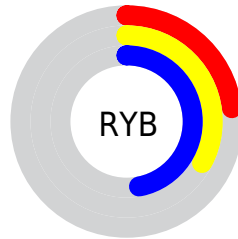
The XYZ color **10.2454, 12.3890, 19.6206** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.9843, 9.2069, 5.3363**, and the grayscale version is **10.3699, 10.9099, 11.8809**.

A 20% lighter version of the original color is **25.8904, 30.1350, 43.4818**, and **2.6828, 3.4940, 6.6639** is the 20% darker color. If you saturate the color by 10%, you get **9.3190, 11.4732, 19.4929**, and if you desaturate by 10%, it is **11.3466, 13.4109, 19.7600**.

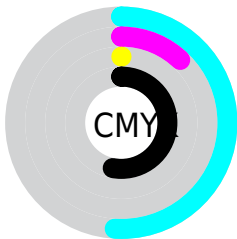
Distribution



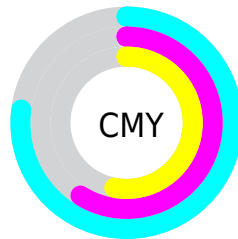
- Red (23%)
- Green (41%)
- Blue (47%)



- Red (23%)
- Yellow (33%)
- Blue (47%)



- Cyan (51%)
- Magenta (12%)
- Yellow (0%)
- Black (53%)



- Cyan (77%)
- Magenta (59%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2454, 12.3890, 19.6206 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 10.2454, 12.3890, 19.6206 by changing the saturation by 10% instead.

■ 10.2454, 12.3890,
19.6206

■ 10.2454, 12.3890,
19.6206

■ 186.4319,
206.9638, 262.3897

■ 5.6255, 7.0092,
11.9382

■ 25.9016, 30.2016,
43.6307

■ 2.6572, 3.4678,
6.5796

■ 37.6685, 43.4032,
60.7956

■ 0.9752, 1.3806,
3.1262

■ 52.5485, 59.9809,
81.9584

■ 0.0000, 0.2023,
1.1594

■ 70.9070, 80.3190,
107.5376

■ 0.0000, 0.0000,
0.0000

■ 93.1092, 104.8020,
137.9518

■ 119.5205,

133.8142, 173.6195

150.5063,
167.7400, 214.9593

■ 10.2454, 12.3890,
19.6206

■ 10.2454, 12.3890,
19.6206

■ 9.3190, 11.4732,
19.4929

■ 11.3466, 13.4109,
19.7600

■ 8.5548, 10.6561,
19.3754

■ 12.6317, 14.5430,
19.9108

■ 7.9401, 9.9313,
19.2679

■ 14.1108, 15.7909,
20.0737

■ 7.4600, 9.2908,
19.1696

■ 15.7927, 17.1593,
20.2492

■ 7.0881, 8.7518,
19.0852

■ 17.6856, 18.6525,
20.4377

■ 19.7975, 20.2749,
20.6395

■ 22.1357, 22.0303,
20.8551

■ 24.7073, 23.9225,
21.0848

■ 27.5190, 25.9551,
21.3289

Harmonies

Analogous

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



9.5985, 12.3890, 15.9996



10.2454, 12.3890, 19.6206



11.3339, 12.3890, 21.7087

Triad

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



10.2454, 12.3890, 19.6206



14.3747, 12.3890, 14.8109



10.9675, 12.3890, 7.8629

Complementary

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



10.2454, 12.3890, 19.6206



10.9843, 9.2069, 5.3363

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.



12.2281, 12.3890, 7.6611



10.2454, 12.3890, 19.6206



14.2587, 12.3890, 11.2567

Square

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



10.2454, 12.3890, 19.6206



13.7568, 12.3890, 18.6155



13.4505, 12.3890, 8.7906



9.9939, 12.3890, 9.4032

Rectangle

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



10.2454, 12.3890, 19.6206



12.1907, 12.3890, 21.7340



13.4505, 12.3890, 8.7906



11.3696, 12.3890, 7.6485

Sweetspot

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



10.2458, 12.3895, 19.6209



26.3889, 29.0611, 35.4716



9.7309, 14.8472, 8.6974



6.1349, 6.7902, 8.3940



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.



10.2458, 12.3895, 19.6209



16.1474, 19.9282, 34.2485



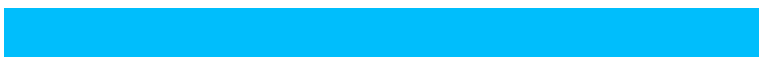
7.7285, 7.3548, 18.7818



4.0276, 4.3534, 5.0712



7.7212, 9.5249, 20.8168



36.1364, 44.0455, 99.0668

Inverse Universe

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



11.8599, 8.1414, 14.3114



19.4540, 11.9968, 23.1983



13.4590, 14.1562, 6.1612



4.1144, 4.0615, 4.7999



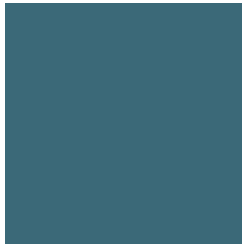
10.4806, 5.1684, 11.0879



49.6431, 24.5136, 51.0442

Previews

White Background



This preview shows how the XYZ color 10.2454, 12.3890, 19.6206 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 10.2454, 12.3890, 19.6206 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 10.2454, 12.3890, 19.6206

Background



This preview shows how black text looks on a background with the XYZ color 10.2454, 12.3890, 19.6206.

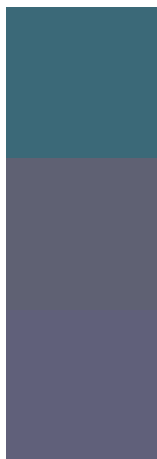


This preview shows how white text looks on a background with the XYZ color 10.2454, 12.3890,

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

10.2454, 12.3890, 19.6206

Protanopia

12.0885, 12.2201, 17.9412

Deuteranopia

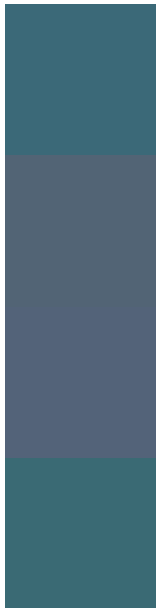
12.5196, 12.2577, 20.1185



Tritanopia

9.8786, 12.3928, 17.7910

Trichromacy



Original Color

10.2454, 12.3890, 19.6206

Protanomaly

11.2477, 12.1925, 18.5902

Deuteranomaly

11.4803, 12.1432, 19.8279

Tritanomaly

10.0513, 12.4686, 18.3999

Monochromacy



Original Color

10.2454, 12.3890, 19.6206

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.1162, 11.2780, 14.4757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2454, 12.3890, 19.6206 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, 105, 120)` looks like.

```
.text, #text, p{  
    color:rgb(59, 105, 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(59, 105, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 105, 120) }
```

Border

The CSS property to change the border of an element to XYZ 10.2454, 12.3890, 19.6206 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, 105, 120) }
```


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

```
.border{ border-color:rgb(59, 105, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 105, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 105, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 105, 120);  
box-shadow:4px 4px 4px 4px rgb(59, 105,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2454, 12.3890, 19.6206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 105, 120) }
```

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

```
.background{ background-color: rgb(59, 105,  
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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