

Converting Colors

XYZ(10.2797, 14.0409, 21.5706)

Have a look what the booklet for
XYZ(10.2797, 14.0409, 21.5706)
contains.

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Color

**XYZ(10.2333, 13.9488,
21.5551)**

Conversions

Conversions Part 1

Format	Color
Hex	19737D
RGB	25, 115, 125
RGB Percent	10%, 45%, 49%
CMY	0.9019, 0.5490, 0.5098
CMYK	0.80, 0.08, 0.00, 0.51
HSL	186°, 67%, 29%
HSV	186°, 80%, 49%
XYZ	10.2333, 13.9488, 21.5551
YIQ	89.2300, -56.8500, -15.9700

Conversions

Conversions Part 2

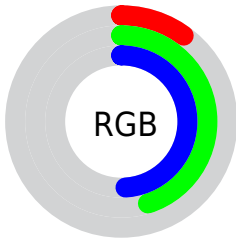
Format	Color
R _Y B	25, 72, 125
Decimal	1667965
CIE Lab	44.16, -21.44, -12.84
CIE LCh	44, 24.994, 210.912
Yxy	13.9488, 0.2237, 0.3050
Android (android.graphics.Color)	4279858045 (0xFF19737D)
YUV	89.2300, 17.6346, -56.3297
Hunter-Lab	37.3481, -16.4505, -8.0750

Details

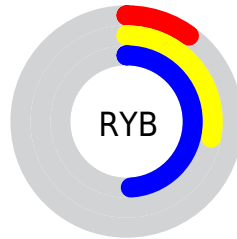
The XYZ color **10.2333, 13.9488, 21.5551** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **9.2343, 5.6327, 1.5206**, and the grayscale version is **9.5182, 10.0139, 10.9052**.

A 20% lighter version of the original color is **25.8791, 32.9265, 47.1110**, and **3.2527, 4.4182, 7.5188** is the 20% darker color. If you saturate the color by 10%, you get **9.8499, 13.5412, 21.4969**, and if you desaturate by 10%, it is **10.7575, 14.4323, 21.6211**.

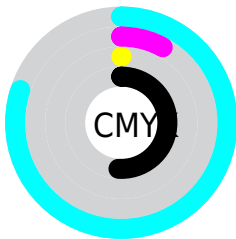
Distribution



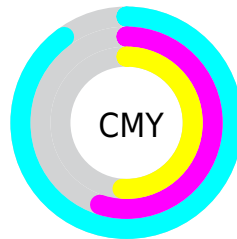
- Red (10%)
- Green (45%)
- Blue (49%)



- Red (10%)
- Yellow (28%)
- Blue (49%)



- Cyan (80%)
- Magenta (8%)
- Yellow (0%)
- Black (51%)



- Cyan (90%)
- Magenta (55%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2333, 13.9488, 21.5551 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 10.2333, 13.9488, 21.5551 by changing the saturation by 10% instead.

10.2333, 13.9488,
21.5551

10.2333, 13.9488,
21.5551

186.3482,
216.9121, 273.0913

5.6174, 8.0851,
13.3352

25.8791, 32.9982,
46.9023

2.6523, 4.1494,
7.5263

37.6397, 46.9526,
64.8666

0.9727, 1.7575,
3.7100

52.5125, 64.3726,
86.9162

0.0000, 0.4605,
1.4676

70.8630, 85.6428,
113.4695

0.0000, 0.0000,
0.1936

93.0565, 111.1474,
144.9452

0.0000, 0.0000,
0.0000

119.4582,

141.2709, 181.7616

150.4337,
176.3977, 224.3375

■ 10.2333, 13.9488,
21.5551

■ 10.2333, 13.9488,
21.5551

■ 9.8499, 13.5412,
21.4969

■ 10.7575, 14.4323,
21.6211

■ 9.5515, 13.1801,
21.4429

■ 11.4374, 14.9988,
21.6946

■ 9.5513, 13.1799,
21.4429

■ 12.2876, 15.6559,
21.7766

■ 13.3207, 16.4102,
21.8677

■ 14.5478, 17.2674,
21.9685

■ 15.9794, 18.2330,
22.0795

■ 17.6252, 19.3120,
22.2010

■ 19.4942, 20.5089,
22.3335

■ 21.5948, 21.8282,
22.4774

Harmonies

Analogous

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



9.7823, 13.9488, 15.3632



10.2333, 13.9488, 21.5551



11.4801, 13.9488, 26.9445

Triad

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



10.2333, 13.9488, 21.5551



16.8981, 13.9488, 21.1752



13.1970, 13.9488, 6.6425

Complementary

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



10.2333, 13.9488, 21.5551



9.2343, 5.6327, 1.5206

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.



15.2104, 13.9488, 7.4719



10.2333, 13.9488, 21.5551



17.4724, 13.9488, 15.0138

Square

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



10.2333, 13.9488, 21.5551



15.3264, 13.9488, 26.6893



16.8265, 13.9488, 10.2170



11.3844, 13.9488, 7.5813

Rectangle

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



10.2333, 13.9488, 21.5551



12.6615, 13.9488, 28.8135



16.8265, 13.9488, 10.2170



13.8727, 13.9488, 6.7215

Sweetspot

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



10.2337, 13.9493, 21.5554



27.3925, 31.8328, 39.4450



8.0141, 14.9859, 3.9341



6.0619, 7.1265, 8.9591



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.



10.2337, 13.9493, 21.5554



17.2273, 23.7273, 38.4162



6.0905, 5.6628, 20.1744



4.4109, 4.8157, 5.5103



9.9657, 13.7500, 22.3787



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.9000, 6.2935, 16.8077



20.5245, 10.0727, 28.6861



11.7522, 10.6685, 2.3599



4.4802, 4.4052, 5.3333



11.9072, 5.7826, 16.6330



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.2333, 13.9488, 21.5551 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 10.2333, 13.9488, 21.5551 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 10.2333, 13.9488, 21.5551

Background



This preview shows how black text looks on a background with the XYZ color 10.2333, 13.9488, 21.5551.

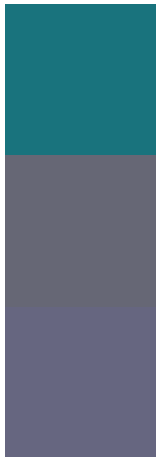


This preview shows how white text looks on a background with the XYZ color 10.2333, 13.9488,

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

10.2333, 13.9488, 21.5551

Protanopia

13.5406, 13.8096, 18.7815

Deuteranopia

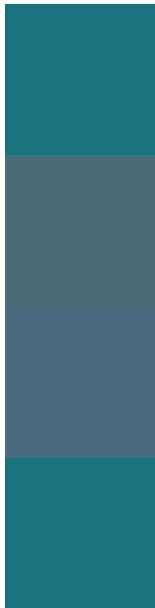
14.1271, 13.8860, 22.3578



Tritanopia

10.1455, 13.9109, 21.2191

Trichromacy



Original Color

10.2333, 13.9488, 21.5551

Protanomaly

11.4719, 13.3273, 19.7371

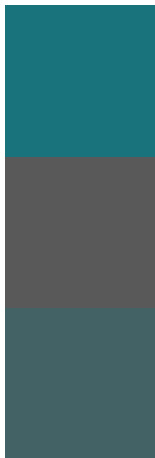
Deuteranomaly

11.9125, 13.5035, 22.0573

Tritanomaly

10.1455, 13.9109, 21.2191

Monochromacy



Original Color

10.2333, 13.9488, 21.5551

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.0127, 10.8529, 14.1902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2333, 13.9488, 21.5551 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(25, 115, 125)` looks like.

```
.text, #text, p{  
    color:rgb(25, 115, 125)  
}
```

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(25, 115, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 115, 125) }
```

Border

The CSS property to change the border of an element to XYZ 10.2333, 13.9488, 21.5551 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(25, 115, 125) }
```


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

```
.border{ border-color:rgb(25, 115, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 115, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 115, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 115, 125);  
box-shadow:4px 4px 4px 4px rgb(25, 115,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2333, 13.9488, 21.5551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 115, 125) }
```

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

```
.background{ background-color: rgb(25, 115,  
125) }
```

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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