

Converting Colors

XYZ(9.9806, 12.2922, 19.8263)

Have a look what the booklet for
XYZ(9.9806, 12.2922, 19.8263)
contains.

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Color

**XYZ(9.9710, 12.2405,
19.9263)**

Conversions

Conversions Part 1

Format	Color
Hex	356979
RGB	53, 105, 121
RGB Percent	21%, 41%, 47%
CMY	0.7921, 0.5882, 0.5255
CMYK	0.56, 0.13, 0.00, 0.53
HSL	194°, 39%, 34%
HSV	194°, 56%, 47%
XYZ	9.9710, 12.2405, 19.9263
YIQ	91.2760, -36.1280, -6.0480

Conversions

Conversions Part 2

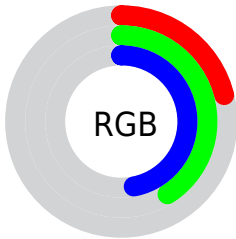
Format	Color
R_{YB}	53, 82, 121
Decimal	3500409
CIE Lab	41.60, -12.44, -14.25
CIE LCh	42, 18.916, 228.864
Yxy	12.2405, 0.2366, 0.2905
Android (android.graphics.Color)	4281690489 (0xFF356979)
YUV	91.2760, 14.6539, -33.5681
Hunter-Lab	34.9864, -10.3544, -9.2778

Details

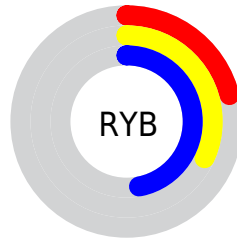
The XYZ color **9.9710, 12.2405, 19.9263** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.6563, 8.5788, 4.4629**, and the grayscale version is **9.9807, 10.5005, 11.4350**.

A 20% lighter version of the original color is **25.2570, 29.7973, 43.9554**, and **2.6828, 3.4940, 6.6639** is the 20% darker color. If you saturate the color by 10%, you get **9.1284, 11.3831, 19.8054**, and if you desaturate by 10%, it is **10.9847, 13.2011, 20.0585**.

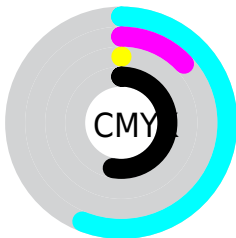
Distribution



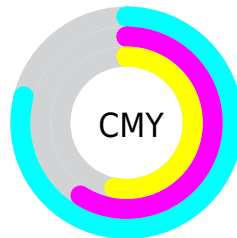
- Red (21%)
- Green (41%)
- Blue (47%)



- Red (21%)
- Yellow (32%)
- Blue (47%)



- Cyan (56%)
- Magenta (13%)
- Yellow (0%)
- Black (53%)



- Cyan (79%)
- Magenta (59%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9710, 12.2405, 19.9263 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 9.9710, 12.2405, 19.9263 by changing the saturation by 10% instead.

■ 9.9710, 12.2405,
19.9263

■ 9.9710, 12.2405,
19.9263

■ 184.5229,
205.9910, 264.1069

■ 5.4419, 6.9077,
12.1579

■ 25.3911, 29.9324,
44.1509

■ 2.5462, 3.4044,
6.7275

■ 37.0128, 43.0602,
61.4443

■ 0.9186, 1.3463,
3.2164

■ 51.7293, 59.5552,
82.7497

■ 0.0000, 0.1767,
1.2062

■ 69.9062, 79.8017,
108.4857

■ 0.0000, 0.0000,
0.0000

■ 91.9086, 104.1842,
139.0709

■ 118.1019,

133.0870, 174.9238

148.8516,
166.8944, 216.4630

■ 9.9710, 12.2405,
19.9263

■ 9.9710, 12.2405,
19.9263

■ 9.1284, 11.3831,
19.8054

■ 10.9847, 13.2011,
20.0585

■ 8.4434, 10.6209,
19.6944

■ 12.1796, 14.2694,
20.2017

■ 7.9021, 9.9469,
19.5929

■ 13.5662, 15.4512,
20.3568

■ 7.4773, 9.3470,
19.4995

■ 15.1539, 16.7515,
20.5241

■ 7.3245, 9.1269,
19.4650

■ 16.9515, 18.1749,
20.7041

■ 18.9671, 19.7258,
20.8972

■ 21.2086, 21.4084,
21.1038

■ 23.6833, 23.2266,
21.3243

■ 26.3983, 25.1840,
21.5591

Harmonies

Analogous

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



9.2948, 12.2405, 15.9451



9.9710, 12.2405, 19.9263



11.1281, 12.2405, 22.2843

Triad

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



9.9710, 12.2405, 19.9263



14.4435, 12.2405, 14.8536



10.7954, 12.2405, 7.3417

Complementary

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



9.9710, 12.2405, 19.9263



10.6563, 8.5788, 4.4629

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.



12.1554, 12.2405, 7.1646



9.9710, 12.2405, 19.9263



14.3366, 12.2405, 11.0138

Square

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



9.9710, 12.2405, 19.9263



13.7543, 12.2405, 18.9922



13.4728, 12.2405, 8.3752



9.7441, 12.2405, 8.9191

Rectangle

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



9.9710, 12.2405, 19.9263



12.0489, 12.2405, 22.3583



13.4728, 12.2405, 8.3752



11.2292, 12.2405, 7.1300

Sweetspot

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



9.9714, 12.2410, 19.9266



26.7667, 29.6990, 36.7146



9.3760, 14.8600, 7.9832



6.0169, 6.7070, 8.3841



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.



9.9714, 12.2410, 19.9266



16.0169, 20.0300, 35.4149



7.1816, 6.6614, 18.9967



4.0310, 4.3602, 5.0723



7.8404, 9.7632, 20.8566



36.7231, 45.2188, 99.2624

Inverse Universe

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



11.7084, 7.6315, 14.2210



19.6018, 11.4490, 23.4308



13.3651, 13.9964, 5.3658



4.1161, 4.0622, 4.8089



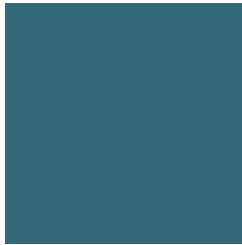
10.5408, 5.1925, 11.4047



49.9393, 24.6320, 52.6036

Previews

White Background



This preview shows how the XYZ color 9.9710, 12.2405, 19.9263 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 9.9710, 12.2405, 19.9263 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

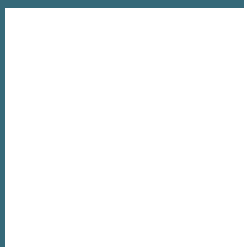
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.9710, 12.2405, 19.9263

Background



This preview shows how black text looks on a background with the XYZ color 9.9710, 12.2405, 19.9263.

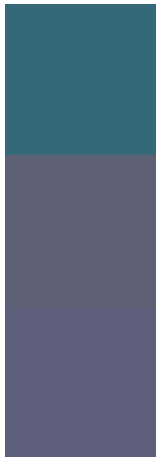


This preview shows how white text looks on a background with the XYZ color 9.9710, 12.2405,

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

9.9710, 12.2405, 19.9263

Protanopia

11.9853, 12.1669, 17.9364

Deuteranopia

12.3741, 12.1755, 20.4368



Tritanopia

9.6138, 12.2497, 18.0774

Trichromacy



Original Color

9.9710, 12.2405, 19.9263

Protanomaly

10.9925, 12.0610, 18.5783

Deuteranomaly

11.1991, 11.9911, 20.1366

Tritanomaly

9.7811, 12.3225, 18.6926

Monochromacy



Original Color

9.9710, 12.2405, 19.9263

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.6417, 10.9028, 14.1667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9710, 12.2405, 19.9263 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(53, 105, 121)` looks like.

```
.text, #text, p{  
    color:rgb(53, 105, 121)  
}
```

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(53, 105, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 105, 121) }
```

Border

The CSS property to change the border of an element to XYZ 9.9710, 12.2405, 19.9263 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(53, 105, 121) }
```


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

```
.border{ border-color:rgb(53, 105, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 105, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 105, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 105, 121);  
box-shadow:4px 4px 4px 4px rgb(53, 105,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9710, 12.2405, 19.9263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 105, 121) }
```

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

```
.background{ background-color: rgb(53, 105,  
121) }
```

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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