

Converting Colors

XYZ(9.7273, 13.4761, 19.9322)

Have a look what the booklet for
XYZ(9.7273, 13.4761, 19.9322)
contains.

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Color

**XYZ(9.7608, 13.5729,
19.8747)**

Conversions

Conversions Part 1

Format	Color
Hex	177278
RGB	23, 114, 120
RGB Percent	9%, 45%, 47%
CMY	0.9098, 0.5529, 0.5294
CMYK	0.81, 0.05, 0.00, 0.53
HSL	184°, 68%, 28%
HSV	184°, 81%, 47%
XYZ	9.7608, 13.5729, 19.8747
YIQ	87.4750, -56.1620, -17.4260

Conversions

Conversions Part 2

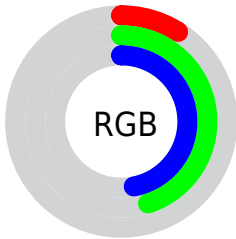
Format	Color
R_{YB}	23, 70, 120
Decimal	1536632
CIE _{Lab}	43.61, -22.81, -10.67
CIE _{LCh}	44, 25.183, 205.064
Yxy	13.5729, 0.2259, 0.3141
Android (android.graphics.Color)	4279726712 (0xFF177278)
YUV	87.4750, 16.0348, -56.5446
Hunter-Lab	36.8414, -17.1805, -6.1960

Details

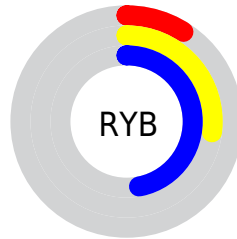
The XYZ color **9.7608, 13.5729, 19.8747** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.3400, 4.9339, 1.3236**, and the grayscale version is **9.1372, 9.6131, 10.4686**.

A 20% lighter version of the original color is **24.9204, 32.2294, 43.9372**, and **3.0600, 4.2485, 6.7896** is the 20% darker color. If you saturate the color by 10%, you get **9.4625, 13.2956, 19.8372**, and if you desaturate by 10%, it is **10.1851, 13.9167, 19.9190**.

Distribution



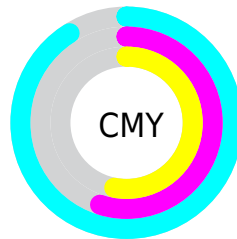
- Red (9%)
- Green (45%)
- Blue (47%)



- Red (9%)
- Yellow (27%)
- Blue (47%)



- Cyan (81%)
- Magenta (5%)
- Yellow (0%)
- Black (53%)



- Cyan (91%)
- Magenta (55%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7608, 13.5729, 19.8747 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 9.7608, 13.5729, 19.8747 by changing the saturation by 10% instead.

■ 9.7608, 13.5729,
19.8747

■ 9.7608, 13.5729,
19.8747

183.0458,
214.5574, 263.8177

■ 5.3017, 7.8242,
12.1208

■ 24.9984, 32.3293,
44.0632

■ 2.4619, 3.9827,
6.7025

■ 36.5076, 46.1057,
61.3349

■ 0.8761, 1.6639,
3.2011

■ 51.0975, 63.3269,
82.6163

■ 0.0000, 0.4001,
1.1982

■ 69.1336, 84.3772,
108.3260

■ 0.0000, 0.0000,
0.0000

■ 90.9810, 109.6410,
138.8824

■ 117.0053,

139.5027, 174.7042

147.5718,
174.3467, 216.2098

■ 9.7608, 13.5729,
19.8747

■ 9.7608, 13.5729,
19.8747

■ 9.4625, 13.2956,
19.8372

■ 10.1851, 13.9167,
19.9190

■ 9.2485, 13.0727,
19.8054

■ 10.7491, 14.3332,
19.9696

■ 11.4659, 14.8296,
20.0276

■ 12.3470, 15.4116,
20.0936

■ 13.4026, 16.0846,
20.1678

■ 14.6422, 16.8535,
20.2509

■ 16.0745, 17.7228,
20.3432

■ 17.7078, 18.6967,
20.4451

■ 19.5498, 19.7792,
20.5570

Harmonies

Analogous

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



9.4787, 13.5729, 13.8635



9.7608, 13.5729, 19.8747



10.8482, 13.5729, 25.5925

Triad

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



9.7608, 13.5729, 19.8747



16.2667, 13.5729, 21.9129



13.2297, 13.5729, 6.3829

Complementary

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



9.7608, 13.5729, 19.8747



8.3400, 4.9339, 1.3236

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.



15.1969, 13.5729, 7.5422



9.7608, 13.5729, 19.8747



17.0606, 13.5729, 15.7330

Square

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



9.7608, 13.5729, 19.8747



14.5751, 13.5729, 26.9640



16.6505, 13.5729, 10.6378



11.3596, 13.5729, 6.9610

Rectangle

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



9.7608, 13.5729, 19.8747



11.9475, 13.5729, 27.9553



16.6505, 13.5729, 10.6378



13.9031, 13.5729, 6.5714

Sweetspot

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



9.7612, 13.5734, 19.8750



24.8943, 29.1134, 35.5605



7.2779, 13.6985, 3.3500



5.7493, 6.8063, 8.4174



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.



9.7612, 13.5734, 19.8750



16.3337, 23.0404, 34.8394



5.7302, 5.5115, 18.5314



4.0869, 4.4720, 5.0910



10.0857, 14.2539, 21.6050



47.8792, 67.5310, 102.9811

Inverse Universe

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



11.0897, 5.8211, 16.4593



18.8794, 9.2065, 28.0654



10.5093, 9.2726, 2.0467



4.1443, 4.0734, 4.9575



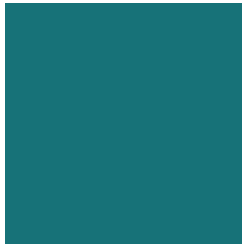
11.6741, 5.6458, 17.3727



55.5703, 26.8845, 82.2565

Previews

White Background



This preview shows how the XYZ color 9.7608, 13.5729, 19.8747 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 9.7608, 13.5729, 19.8747 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 9.7608, 13.5729, 19.8747

Background



This preview shows how black text looks on a background with the XYZ color 9.7608, 13.5729, 19.8747.



This preview shows how white text looks on a background with the XYZ color 9.7608, 13.5729,

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

9.7608, 13.5729, 19.8747

Protanopia

13.1555, 13.4974, 17.2411

Deuteranopia

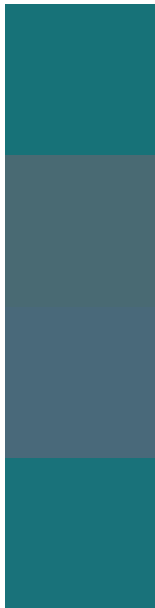
13.6118, 13.3692, 20.6020



Tritanopia

10.0185, 13.6843, 20.8522

Trichromacy



Original Color

9.7608, 13.5729, 19.8747

Protanomaly

10.9962, 12.9623, 18.1421

Deuteranomaly

11.3121, 12.9248, 20.3109

Tritanomaly

9.9311, 13.6464, 20.5230

Monochromacy



Original Color

9.7608, 13.5729, 19.8747

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.6412, 10.5402, 13.3834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7608, 13.5729, 19.8747 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(23, 114, 120)` looks like.

```
.text, #text, p{  
    color:rgb(23, 114, 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(23, 114, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 114, 120) }
```

Border

The CSS property to change the border of an element to XYZ 9.7608, 13.5729, 19.8747 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(23, 114, 120) }
```


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

```
.border{ border-color:rgb(23, 114, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 114, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 114, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 114, 120);  
box-shadow:4px 4px 4px 4px rgb(23, 114,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7608, 13.5729, 19.8747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 114, 120) }
```

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

```
.background{ background-color: rgb(23, 114,  
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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