

Converting Colors

XYZ(9.5441, 13.1468, 20.7735)

Have a look what the booklet for
XYZ(9.5441, 13.1468, 20.7735)
contains.

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Color

**XYZ(9.5209, 13.0966,
20.7650)**

Conversions

Conversions Part 1

Format	Color
Hex	0C707B
RGB	12, 112, 123
RGB Percent	5%, 44%, 48%
CMY	0.9529, 0.5608, 0.5176
CMYK	0.90, 0.09, 0.00, 0.52
HSL	186°, 82%, 26%
HSV	186°, 90%, 48%
XYZ	9.5209, 13.0966, 20.7650
YIQ	83.3540, -63.1310, -17.7790

Conversions

Conversions Part 2

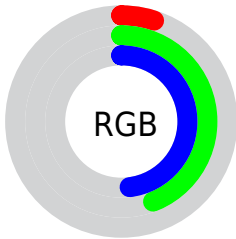
Format	Color
R_{YB}	12, 65, 123
Decimal	815227
CIE _{Lab}	42.91, -21.70, -13.55
CIE _{LCh}	43, 25.589, 211.985
Yxy	13.0966, 0.2195, 0.3019
Android (android.graphics.Color)	4279005307 (0xFF0C707B)
YUV	83.3540, 19.5455, -62.5775
Hunter-Lab	36.1892, -16.3702, -8.6875

Details

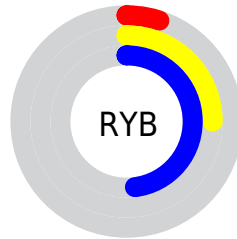
The XYZ color **9.5209, 13.0966, 20.7650** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.5414, 4.8506, 0.8341**, and the grayscale version is **8.2654, 8.6958, 9.4697**.

A 20% lighter version of the original color is **24.4930, 31.4399, 45.3350**, and **3.0694, 4.1612, 7.1200** is the 20% darker color. If you saturate the color by 10%, you get **9.2392, 12.7580, 20.7147**, and if you desaturate by 10%, it is **9.8890, 13.4877, 20.8213**.

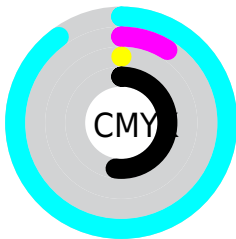
Distribution



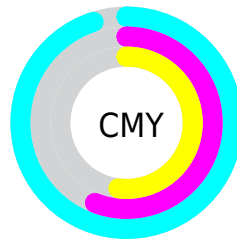
- Red (5%)
- Green (44%)
- Blue (48%)



- Red (5%)
- Yellow (25%)
- Blue (48%)



- Cyan (90%)
- Magenta (9%)
- Yellow (0%)
- Black (52%)



- Cyan (95%)
- Magenta (56%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.5209, 13.0966, 20.7650 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 9.5209, 13.0966, 20.7650 by changing the saturation by 10% instead.

9.5209, 13.0966,
20.7650

9.5209, 13.0966,
20.7650

181.3437,
211.5358, 268.7669

5.1423, 7.4951,
12.7628

24.5483, 31.4772,
45.5718

2.3666, 3.7736,
7.1366

35.9278, 45.0251,
63.2135

0.8284, 1.5477,
3.4679

50.3717, 61.9906,
84.9053

0.0000, 0.3220,
1.3382

68.2453, 82.7581,
111.0659

0.0000, 0.0000,
0.0928

89.9139, 107.7120,
142.1139

0.0000, 0.0000,
0.0000

115.7429,

137.2366, 178.4676

146.0977,
171.7165, 220.5458

■ 9.5209, 13.0966,
20.7650

■ 9.5209, 13.0966,
20.7650

■ 9.2392, 12.7580,
20.7147

■ 9.8890, 13.4877,
20.8213

■ 10.3912, 13.9502,
20.8842

■ 11.0435, 14.4930,
20.9545

■ 11.8595, 15.1228,
21.0331

■ 12.8513, 15.8460,
21.1204

■ 14.0297, 16.6682,
21.2170

■ 15.4048, 17.5945,
21.3233

■ 16.9858, 18.6298,
21.4398

■ 18.7814, 19.7785,
21.5669

Harmonies

Analogous

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



9.0528, 13.0966, 14.6366



9.5209, 13.0966, 20.7650



10.7626, 13.0966, 26.0486

Triad

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



9.5209, 13.0966, 20.7650



16.0748, 13.0966, 19.9453



12.3180, 13.0966, 5.9728

Complementary

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



9.5209, 13.0966, 20.7650



8.5414, 4.8506, 0.8341

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.



14.3006, 13.0966, 6.7042



9.5209, 13.0966, 20.7650



16.6007, 13.0966, 13.8899

Square

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



9.5209, 13.0966, 20.7650



14.5497, 13.0966, 25.4947



15.9207, 13.0966, 9.2788



10.5590, 13.0966, 6.9325

Rectangle

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



9.5209, 13.0966, 20.7650



11.9305, 13.0966, 27.8171



15.9207, 13.0966, 9.2788



12.9801, 13.0966, 6.0283

Sweetspot

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



9.5213, 13.0971, 20.7653



25.7228, 30.2570, 38.0411



7.3725, 14.2994, 3.0935



5.9071, 7.0230, 8.9473



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.



9.5213, 13.0971, 20.7653



16.4865, 22.7294, 37.0749



5.2529, 4.5602, 19.3425



4.0748, 4.4478, 5.0869



9.5555, 13.1935, 21.4283



45.2299, 62.2325, 102.0980

Inverse Universe

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



11.2248, 5.6440, 15.8276



19.7176, 9.5768, 27.4885



10.8716, 9.5109, 1.6109



4.1382, 4.0710, 4.9254



11.4065, 5.5388, 15.9635



54.2331, 26.3496, 75.2148

Previews

White Background



This preview shows how the XYZ color 9.5209, 13.0966, 20.7650 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 9.5209, 13.0966, 20.7650 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 9.5209, 13.0966, 20.7650

Background



This preview shows how black text looks on a background with the XYZ color 9.5209, 13.0966, 20.7650.

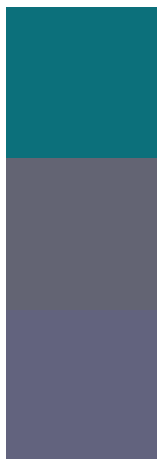


This preview shows how white text looks on a background with the XYZ color 9.5209, 13.0966,

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

9.5209, 13.0966, 20.7650

Protanopia

12.7973, 13.0048, 18.0553

Deuteranopia

13.2647, 13.0267, 21.5539



Tritanopia

9.3330, 13.0140, 20.1092

Trichromacy



Original Color

9.5209, 13.0966, 20.7650

Protanomaly

10.5351, 12.4019, 18.9781

Deuteranomaly

10.9667, 12.5746, 21.2512

Tritanomaly

9.4197, 13.0516, 20.4351

Monochromacy



Original Color

9.5209, 13.0966, 20.7650

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

7.8947, 9.7571, 13.0225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.5209, 13.0966, 20.7650 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(12, 112, 123)` looks like.

```
.text, #text, p{  
    color:rgb(12, 112, 123)  
}
```

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(12, 112, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 112, 123) }
```

Border

The CSS property to change the border of an element to XYZ 9.5209, 13.0966, 20.7650 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(12, 112, 123) }
```


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

```
.border{ border-color:rgb(12, 112, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 112, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 112, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 112, 123);  
box-shadow:4px 4px 4px 4px rgb(12, 112,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 9.5209, 13.0966, 20.7650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 112, 123) }
```

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

```
.background{ background-color: rgb(12, 112,  
123) }
```

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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