

Converting Colors

XYZ(8.7729, 11.5173, 19.6676)

Have a look what the booklet for
XYZ(8.7729, 11.5173, 19.6676)
contains.

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Color

**XYZ(8.7172, 11.4509,
19.5201)**

Conversions

Conversions Part 1

Format	Color
Hex	186878
RGB	24, 104, 120
RGB Percent	9%, 41%, 47%
CMY	0.9058, 0.5922, 0.5294
CMYK	0.80, 0.13, 0.00, 0.53
HSL	190°, 67%, 28%
HSV	190°, 80%, 47%
XYZ	8.7172, 11.4509, 19.5201
YIQ	81.9040, -52.8160, -11.9840

Conversions

Conversions Part 2

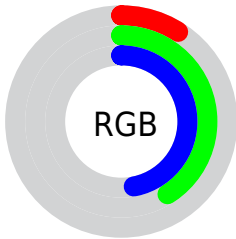
Format	Color
R_{YB}	24, 68, 120
Decimal	1599608
CIE _{Lab}	40.33, -17.32, -15.65
CIE _{LCh}	40, 23.342, 222.111
Y _{xy}	11.4509, 0.2196, 0.2885
Android (android.graphics.Color)	4279789688 (0xFF186878)
YUV	81.9040, 18.7813, -50.7818
Hunter-Lab	33.8392, -13.2358, -10.5140

Details

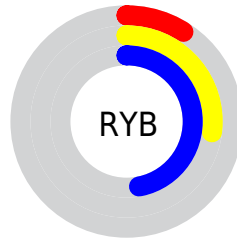
The XYZ color **8.7172, 11.4509, 19.5201** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.6698, 5.5772, 1.4842**, and the grayscale version is **7.9727, 8.3879, 9.1344**.

A 20% lighter version of the original color is **22.9141, 28.3525, 43.2946**, and **2.6328, 3.3941, 6.6473** is the 20% darker color. If you saturate the color by 10%, you get **8.2935, 10.9373, 19.4435**, and if you desaturate by 10%, it is **9.2723, 12.0397, 19.6047**.

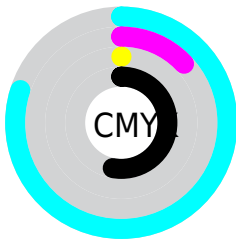
Distribution



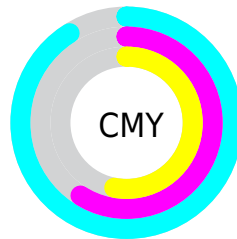
- Red (9%)
- Green (41%)
- Blue (47%)



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



- Cyan (80%)
- Magenta (13%)
- Yellow (0%)
- Black (53%)



- Cyan (91%)
- Magenta (59%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.7172, 11.4509, 19.5201 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 8.7172, 11.4509, 19.5201 by changing the saturation by 10% instead.

8.7172, 11.4509,
19.5201

8.7172, 11.4509,
19.5201

175.5061,
200.7354, 261.8229

4.6128, 6.3710,
11.8661

23.0251, 28.4910,
43.4595

2.0543, 3.0719,
6.5311

33.9593, 41.2200,
60.5819

0.6642, 1.1694,
3.0967

47.9009, 57.2674,
81.6975

0.0000, 0.0365,
1.1442

65.2152, 77.0177,
107.2249

0.0000, 0.0000,
0.0000

86.2674, 100.8552,
137.5826

111.4231,

129.1644, 173.1892

141.0475,
162.3297, 214.4631

■ 8.7172, 11.4509,
19.5201

■ 8.7172, 11.4509,
19.5201

■ 8.2935, 10.9373,
19.4435

■ 9.2723, 12.0397,
19.6047

■ 7.9476, 10.4707,
19.3717

■ 9.9723, 12.7102,
19.6972

■ 7.9474, 10.4704,
19.3716

■ 10.8303, 13.4693,
19.7985

■ 11.8577, 14.3229,
19.9091

■ 13.0647, 15.2764,
20.0296

■ 14.4607, 16.3346,
20.1603

■ 16.0544, 17.5022,
20.3016

■ 17.8540, 18.7833,
20.4540

■ 19.8672, 20.1820,
20.6179

Harmonies

Analogous

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



8.0941, 11.4509, 14.4509



8.7172, 11.4509, 19.5201



9.9477, 11.4509, 23.1292

Triad

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



8.7172, 11.4509, 19.5201



14.1526, 11.4509, 15.4385



10.2384, 11.4509, 5.5821

Complementary

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



8.7172, 11.4509, 19.5201



8.6698, 5.5772, 1.4842

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.



11.8767, 11.4509, 5.7205



8.7172, 11.4509, 19.5201



14.2504, 11.4509, 10.6755

Square

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



8.7172, 11.4509, 19.5201



13.1272, 11.4509, 20.3970



13.3824, 11.4509, 7.3592



8.9116, 11.4509, 6.9174

Rectangle

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



8.7172, 11.4509, 19.5201



10.9998, 11.4509, 23.7823



13.3824, 11.4509, 7.3592



10.7685, 11.4509, 5.4693

Sweetspot

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



8.7176, 11.4513, 19.5204



24.2629, 27.8507, 35.3500



7.4766, 13.7807, 4.2740



5.5827, 6.4729, 8.3618



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.



8.7176, 11.4513, 19.5204



14.1115, 18.5670, 34.0931



5.1816, 4.3793, 18.3417



4.0529, 4.4042, 5.0797



8.6613, 11.4051, 21.1302



40.7810, 53.3347, 100.6150

Inverse Universe

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



10.5714, 5.6463, 13.6298



17.7647, 8.7877, 22.1124



11.4008, 11.0391, 2.3945



4.1272, 4.0666, 4.8674



10.9552, 5.3582, 13.5867



51.9875, 25.4514, 63.3896

Previews

White Background



This preview shows how the XYZ color 8.7172, 11.4509, 19.5201 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 8.7172, 11.4509, 19.5201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

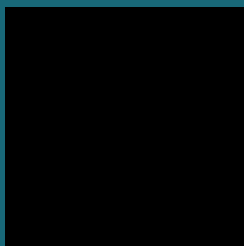
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.7172, 11.4509, 19.5201

Background



This preview shows how black text looks on a background with the XYZ color 8.7172, 11.4509, 19.5201.

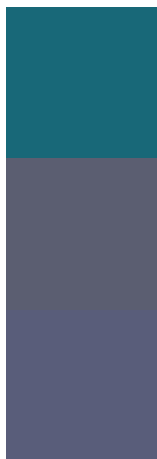


This preview shows how white text looks on a background with the XYZ color 8.7172, 11.4509,

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

8.7172, 11.4509, 19.5201

Protanopia

11.2977, 11.4218, 17.2320

Deuteranopia

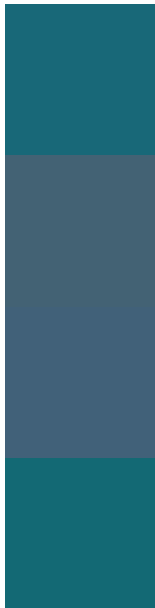
11.5470, 11.3577, 19.9960



Tritanopia

8.3025, 11.4282, 17.6879

Trichromacy



Original Color

8.7172, 11.4509, 19.5201

Protanomaly

9.8348, 11.1896, 18.1645

Deuteranomaly

9.9059, 11.0537, 19.7006

Tritanomaly

8.4725, 11.5026, 18.2967

Monochromacy



Original Color

8.7172, 11.4509, 19.5201

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

7.6920, 9.1490, 12.4268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7172, 11.4509, 19.5201 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(24, 104, 120)` looks like.

```
.text, #text, p{  
    color:rgb(24, 104, 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(24, 104, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 104, 120) }
```

Border

The CSS property to change the border of an element to XYZ 8.7172, 11.4509, 19.5201 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(24, 104, 120) }
```


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

```
.border{ border-color:rgb(24, 104, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 104, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 104, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 104, 120);  
box-shadow:4px 4px 4px 4px rgb(24, 104,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 8.7172, 11.4509, 19.5201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 104, 120) }
```

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

```
.background{ background-color: rgb(24, 104,  
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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