

Converting Colors

XYZ(11.9359, 13.7077, 20.1403)

Have a look what the booklet for
XYZ(11.9359, 13.7077, 20.1403)
contains.

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Color

**XYZ(11.9556, 13.7253,
20.1083)**

Conversions

Conversions Part 1

Format	Color
Hex	4E6C79
RGB	78, 108, 121
RGB Percent	31%, 42%, 47%
CMY	0.6941, 0.5765, 0.5255
CMYK	0.36, 0.11, 0.00, 0.53
HSL	198°, 22%, 39%
HSV	198°, 36%, 47%
XYZ	11.9556, 13.7253, 20.1083
YIQ	100.5120, -22.0530, -2.3170

Conversions

Conversions Part 2

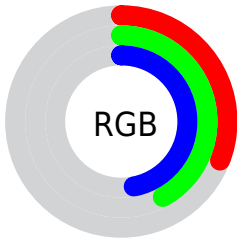
Format	Color
RYB	78, 96, 121
Decimal	5139577
CIELab	43.84, -7.39, -10.73
CIELCh	44, 13.028, 235.431
Yxy	13.7253, 0.2611, 0.2997
Android (android.graphics.Color)	4283329657 (0xFF4E6C79)
YUV	100.5120, 10.1006, -19.7430
Hunter-Lab	37.0477, -7.2300, -6.2474

Details

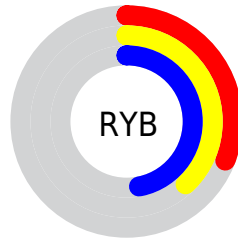
The XYZ color **11.9556, 13.7253, 20.1083** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.0015, 12.0972, 8.8577**, and the grayscale version is **12.2233, 12.8599, 14.0044**.

A 20% lighter version of the original color is **28.9942, 32.4805, 44.2764**, and **3.3739, 4.0814, 6.7409** is the 20% darker color. If you saturate the color by 10%, you get **10.6764, 12.5054, 19.9405**, and if you desaturate by 10%, it is **13.4343, 15.0727, 20.2907**.

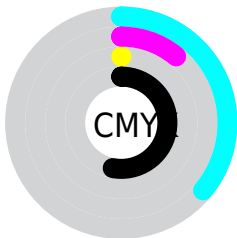
Distribution



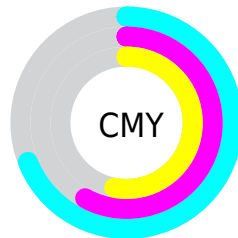
- Red (31%)
- Green (42%)
- Blue (47%)



- Red (31%)
- Yellow (38%)
- Blue (47%)



- Cyan (36%)
- Magenta (11%)
- Yellow (0%)
- Black (53%)



- Cyan (69%)
- Magenta (58%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9556, 13.7253, 20.1083 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 11.9556, 13.7253, 20.1083 by changing the saturation by 10% instead.

■ 11.9556, 13.7253,
20.1083

■ 11.9556, 13.7253,
20.1083

197.8870,
215.5151, 265.1244

■ 6.7854, 7.9299,
12.2889

■ 29.0318, 32.6008,
44.4600

■ 3.3734, 4.0501,
6.8158

■ 41.6685, 46.4497,
61.8295

■ 1.3542, 1.7016,
3.2705

■ 57.5248, 63.7518,
83.2194

■ 0.2232, 0.4247,
1.2344

■ 76.9660, 84.8916,
109.0483

■ 0.0000, 0.0000,
0.0071

■ 100.3574,
110.2534, 139.7347

■ 0.0000, 0.0000,
0.0000

128.0645,

140.2217, 175.6971

160.4526,
175.1808, 217.3542

■ 11.9556, 13.7253,
20.1083

■ 11.9556, 13.7253,
20.1083

■ 10.6764, 12.5054,
19.9405

■ 13.4343, 15.0727,
20.2907

■ 9.5852, 11.4059,
19.7858

■ 15.1206, 16.5511,
20.4872

■ 8.6713, 10.4212,
19.6439

■ 17.0239, 18.1660,
20.6986

■ 7.9221, 9.5445,
19.5142

■ 19.1523, 19.9218,
20.9253

■ 7.3235, 8.7684,
19.3959

■ 21.5138, 21.8230,
21.1678

■ 6.8511, 8.0798,
19.2879

■ 24.1158, 23.8735,
21.4264

■ 6.6545, 7.7870,
19.2417

■ 26.9654, 26.0773,
21.7016

■ 30.0693, 28.4382,
21.9937

■ 33.4342, 30.9598,
22.3031

Harmonies

Analogous

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



11.3403, 13.7253, 17.5100



11.9556, 13.7253, 20.1083



12.8886, 13.7253, 21.3286

Triad

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



11.9556, 13.7253, 20.1083



15.1170, 13.7253, 15.4001



12.2148, 13.7253, 10.3923

Complementary

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



11.9556, 13.7253, 20.1083



13.0015, 12.0972, 8.8577

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.



13.2036, 13.7253, 9.9813



11.9556, 13.7253, 20.1083



14.9136, 13.7253, 12.6427

Square

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



11.9556, 13.7253, 20.1083



14.7420, 13.7253, 18.3928



14.1997, 13.7253, 10.7504



11.4844, 13.7253, 11.9567

Rectangle

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



11.9556, 13.7253, 20.1083



13.5786, 13.7253, 21.0936



14.1997, 13.7253, 10.7504



12.5265, 13.7253, 10.1242

Sweetspot

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



11.9560, 13.7258, 20.1086



28.4808, 30.8403, 36.8446



11.8635, 16.0483, 12.3475



6.4319, 6.9833, 8.4156



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.



11.9560, 13.7258, 20.1086



19.4319, 22.6994, 35.7502



9.9692, 9.7522, 19.4464



4.0097, 4.3176, 5.0652



7.1211, 8.3247, 20.6168



33.1940, 38.1606, 98.0860

Inverse Universe

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



13.3166, 10.5967, 15.5315



22.3411, 16.4333, 25.8684



15.0990, 16.2921, 9.5569



4.1053, 4.0579, 4.7523



10.1777, 5.0472, 9.4928



48.1579, 23.9195, 43.2233

Previews

White Background



This preview shows how the XYZ color 11.9556, 13.7253, 20.1083 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 11.9556, 13.7253, 20.1083 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

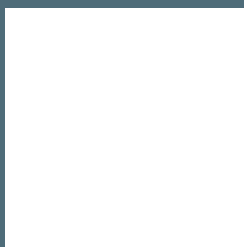
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9556, 13.7253, 20.1083

Background



This preview shows how black text looks on a background with the XYZ color 11.9556, 13.7253, 20.1083.



This preview shows how white text looks on a background with the XYZ color 11.9556, 13.7253,

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

11.9556, 13.7253, 20.1083

Protanopia

13.4280, 13.7516, 18.7762

Deuteranopia

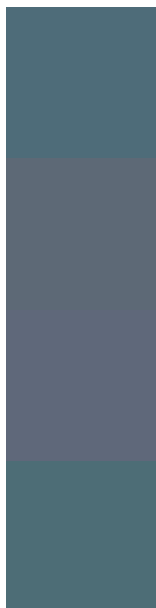
13.8755, 13.6556, 20.3168



Tritanopia

11.7401, 13.7994, 18.8744

Trichromacy



Original Color

11.9556, 13.7253, 20.1083

Protanomaly

12.8358, 13.7383, 19.1148

Deuteranomaly

13.1825, 13.7387, 20.3694

Tritanomaly

11.7992, 13.8231, 19.1858

Monochromacy



Original Color

11.9556, 13.7253, 20.1083

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.1713, 13.3105, 16.1150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9556, 13.7253, 20.1083 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(78, 108, 121)` looks like.

```
.text, #text, p{  
    color:rgb(78, 108, 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(78, 108, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 108, 121) }
```

Border

The CSS property to change the border of an element to XYZ 11.9556, 13.7253, 20.1083 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(78, 108, 121) }
```


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

```
.border{ border-color:rgb(78, 108, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 108, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 108, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 108, 121);  
box-shadow:4px 4px 4px 4px rgb(78, 108,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9556, 13.7253, 20.1083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 108, 121) }
```

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

```
.background{ background-color: rgb(78, 108,  
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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