

Converting Colors

XYZ(11.5463, 13.0305, 20.9780)

Have a look what the booklet for
XYZ(11.5463, 13.0305, 20.9780)
contains.

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Color

**XYZ(11.5137, 13.0142,
20.9739)**

Conversions

Conversions Part 1

Format	Color
Hex	4A697C
RGB	74, 105, 124
RGB Percent	29%, 41%, 49%
CMY	0.7098, 0.5882, 0.5137
CMYK	0.40, 0.15, 0.00, 0.51
HSL	203°, 25%, 39%
HSV	203°, 40%, 49%
XYZ	11.5137, 13.0142, 20.9739
YIQ	97.8970, -24.5750, -0.6630

Conversions

Conversions Part 2

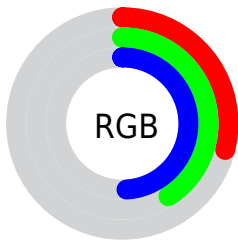
Format	Color
RYB	74, 93, 124
Decimal	4876668
CIELab	42.78, -5.98, -14.15
CIElCh	43, 15.366, 247.079
Yxy	13.0142, 0.2530, 0.2860
Android (android.graphics.Color)	4283066748 (0xFF4A697C)
YUV	97.8970, 12.8688, -20.9577
Hunter-Lab	36.0752, -6.1618, -9.2182

Details

The XYZ color **11.5137, 13.0142, 20.9739** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.4628, 12.6085, 8.2031**, and the grayscale version is **11.5576, 12.1595, 13.2417**.

A 20% lighter version of the original color is **28.2817, 31.3112, 46.1480**, and **3.1840, 3.7408, 7.2108** is the 20% darker color. If you saturate the color by 10%, you get **10.1849, 11.6366, 20.7783**, and if you desaturate by 10%, it is **13.0581, 14.5430, 21.1878**.

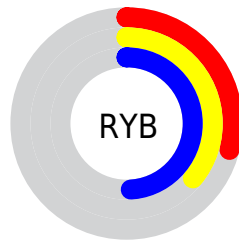
Distribution



Red (29%)

Green (41%)

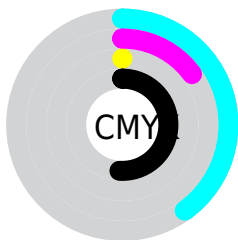
Blue (49%)



Red (29%)

Yellow (36%)

Blue (49%)

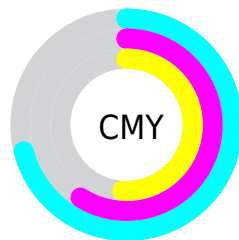


Cyan (40%)

Magenta (15%)

Yellow (0%)

Black (51%)



Cyan (71%)

Magenta (59%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5137, 13.0142, 20.9739 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 11.5137, 13.0142, 20.9739 by changing the saturation by 10% instead.

■ 11.5137, 13.0142,
20.9739

■ 11.5137, 13.0142,
20.9739

194.9951,
211.0087, 269.9162

■ 6.4833, 7.4383,
12.9139

■ 28.2309, 31.3293,
45.9243

■ 3.1846, 3.7377,
7.2392

■ 40.6483, 44.8373,
63.6518

■ 1.2521, 1.5279,
3.5315

■ 56.2589, 61.7581,
85.4388

■ 0.1469, 0.3083,
1.3720

■ 75.4279, 82.4762,
111.7039

■ 0.0000, 0.0000,
0.1197

■ 98.5206, 107.3759,
142.8657

■ 0.0000, 0.0000,
0.0000

125.9025,

136.8416, 179.3427

157.9389,
171.2577, 221.5533

■ 11.5137, 13.0142,
20.9739

■ 11.5137, 13.0142,
20.9739

■ 10.1849, 11.6366,
20.7783

■ 13.0581, 14.5430,
21.1878

■ 9.0590, 10.4022,
20.5993

■ 14.8276, 16.2277,
21.4197

■ 8.1236, 9.3042,
20.4367

■ 16.8324, 18.0743,
21.6705

■ 7.3646, 8.3346,
20.2896

■ 19.0818, 20.0884,
21.9407

■ 6.7652, 7.4842,
20.1570

■ 21.5845, 22.2749,
22.2308

6.2837, 6.7464,
20.0400

24.3489, 24.6388,
22.5414

27.3827, 27.1845,
22.8729

30.6937, 29.9167,
23.2257

34.2889, 32.8396,
23.6004

Harmonies

Analogous

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



10.6597, 13.0142, 18.4221



11.5137, 13.0142, 20.9739



12.6490, 13.0142, 21.5767

Triad

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



11.5137, 13.0142, 20.9739



14.7400, 13.0142, 13.3907



11.0618, 13.0142, 9.6252

Complementary

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



11.5137, 13.0142, 20.9739



13.4628, 12.6085, 8.2031

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.



12.0943, 13.0142, 8.6884



11.5137, 13.0142, 20.9739



14.2533, 13.0142, 10.6288

Square

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



11.5137, 13.0142, 20.9739



14.5603, 13.0142, 16.8314



13.2669, 13.0142, 9.0244



10.4105, 13.0142, 11.8055

Rectangle

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



11.5137, 13.0142, 20.9739



13.4226, 13.0142, 20.7183



13.2669, 13.0142, 9.0244



11.3732, 13.0142, 9.1715

Sweetspot

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



11.5141, 13.0147, 20.9742



28.8945, 31.1451, 38.0453



11.9784, 16.6500, 12.7846



6.7183, 7.2558, 8.9495



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.



11.5141, 13.0147, 20.9742



18.1803, 20.7507, 36.6037



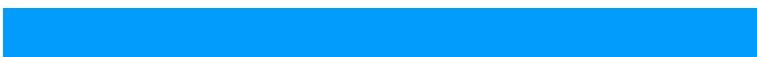
9.3802, 8.7470, 20.2629



3.9852, 4.2686, 5.0571



6.3854, 6.8532, 20.3715



29.6182, 31.0091, 96.8941

Inverse Universe

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



13.3111, 10.2030, 14.6329



21.8825, 15.4581, 23.4270



15.9487, 17.5802, 9.0317



4.0930, 4.0529, 4.6872



9.8064, 4.8987, 7.5372



46.3531, 23.1976, 33.7189

Previews

White Background



This preview shows how the XYZ color 11.5137, 13.0142, 20.9739 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 11.5137, 13.0142, 20.9739 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

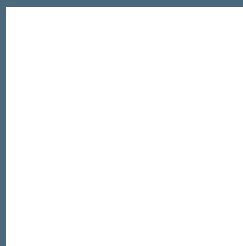
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.5137, 13.0142, 20.9739

Background



This preview shows how black text looks on a background with the XYZ color 11.5137, 13.0142, 20.9739.

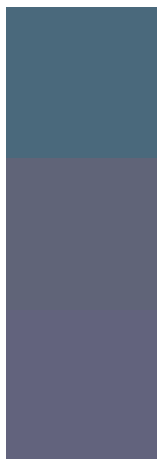


This preview shows how white text looks on a background with the XYZ color 11.5137, 13.0142,

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

11.5137, 13.0142, 20.9739

Protanopia

12.7712, 12.9572, 19.5972

Deuteranopia

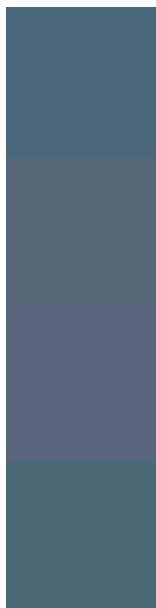
13.2005, 13.0010, 21.2157



Tritanopia

11.0247, 13.1309, 18.1731

Trichromacy



Original Color

11.5137, 13.0142, 20.9739

Protanomaly

12.2271, 12.9579, 19.9459

Deuteranomaly

12.4752, 12.9119, 21.2368

Tritanomaly

11.1717, 13.0325, 19.0663

Monochromacy



Original Color

11.5137, 13.0142, 20.9739

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.4273, 12.4927, 15.7190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5137, 13.0142, 20.9739 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(74, 105, 124)` looks like.

```
.text, #text, p{  
  color:rgb(74, 105, 124)  
}
```

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(74, 105, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 105, 124) }
```

Border

The CSS property to change the border of an element to XYZ 11.5137, 13.0142, 20.9739 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(74, 105, 124) }
```


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

```
.border{ border-color:rgb(74, 105, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 105, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 105, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 105, 124);  
box-shadow:4px 4px 4px 4px rgb(74, 105,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5137, 13.0142, 20.9739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 105, 124) }
```

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

```
.background{ background-color: rgb(74, 105,  
124) }
```

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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