

Converting Colors

XYZ(11.2325, 11.9791, 24.6474)

Have a look what the booklet for
XYZ(11.2325, 11.9791, 24.6474)
contains.

XYZ(11.3142, 12.0926, 24.6594)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.3142, 12.0926,
24.6594)**

Conversions

Conversions Part 1

Format	Color
Hex	446487
RGB	68, 100, 135
RGB Percent	27%, 39%, 53%
CMY	0.7333, 0.6078, 0.4706
CMYK	0.50, 0.26, 0.00, 0.47
HSL	211°, 33%, 40%
HSV	211°, 50%, 53%
XYZ	11.3142, 12.0926, 24.6594
YIQ	94.4220, -30.3070, 4.1010

Conversions

Conversions Part 2

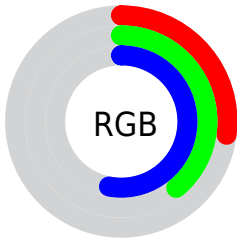
Format	Color
R_{YB}	68, 90, 135
Decimal	4482183
CIE _{Lab}	41.36, -1.29, -23.01
CIE _{LCh}	41, 23.044, 266.782
Yxy	12.0926, 0.2354, 0.2516
Android (android.graphics.Color)	4282672263 (0xFF446487)
YUV	94.4220, 20.0050, -23.1721
Hunter-Lab	34.7744, -2.7785, -17.7019

Details

The XYZ color **11.3142, 12.0926, 24.6594** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **15.8855, 15.2689, 7.5791**, and the grayscale version is **10.6988, 11.2560, 12.2578**.

A 20% lighter version of the original color is **27.8894, 29.7571, 51.8507**, and **3.1105, 3.3724, 9.0813** is the 20% darker color. If you saturate the color by 10%, you get **9.8316, 10.3674, 24.4048**, and if you desaturate by 10%, it is **13.0731, 14.0476, 24.9443**.

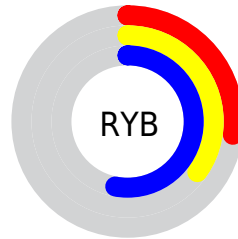
Distribution



Red (27%)

Green (39%)

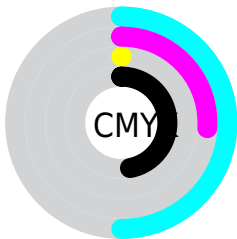
Blue (53%)



Red (27%)

Yellow (35%)

Blue (53%)

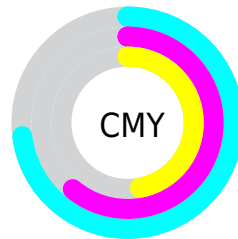


Cyan (50%)

Magenta (26%)

Yellow (0%)

Black (47%)



Cyan (73%)

Magenta (61%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.3142, 12.0926, 24.6594 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 11.3142, 12.0926, 24.6594 by changing the saturation by 10% instead.

■ 11.3142, 12.0926,
24.6594

■ 11.3142, 12.0926,
24.6594

193.6747,
205.0174, 289.5306

■ 6.3474, 6.8068,
15.6068

■ 27.8676, 29.6636,
52.0614

■ 3.1001, 3.3416,
9.0950

■ 40.1849, 42.7177,
71.2478

■ 1.2069, 1.3125,
4.7055

■ 55.6830, 59.1298,
94.6493

■ 0.1118, 0.1509,
2.0199

■ 74.7275, 79.2846,
122.6843

■ 0.0000, 0.0000,
0.5674

■ 97.6835, 103.5664,
155.7714

■ 0.0000, 0.0000,
0.0000

124.9165,

132.3595, 194.3291

156.7918,
166.0483, 238.7760

■ 11.3142, 12.0926,
24.6594

■ 11.3142, 12.0926,
24.6594

■ 9.8316, 10.3674,
24.4048

■ 13.0731, 14.0476,
24.9443

■ 8.6074, 8.8600,
24.1783

■ 15.1220, 16.2409,
25.2596

■ 7.6235, 7.5589,
23.9791

■ 17.4754, 18.6823,
25.6068

■ 6.8584, 6.4508,
23.8055

■ 20.1462, 21.3803,
25.9868

■ 6.2550, 5.5035,
23.6545

■ 23.1465, 24.3432,
26.4006

■ 6.2338, 5.4704,
23.6492

■ 26.4879, 27.5788,
26.8490

■ 30.1813, 31.0945,
27.3330

■ 34.2371, 34.8974,
27.8532

■ 38.6653, 38.9944,
28.4106

Harmonies

Analogous

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



9.8215, 12.0926, 22.4649



11.3142, 12.0926, 24.6594



13.0034, 12.0926, 23.2107

Triad

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



11.3142, 12.0926, 24.6594



14.6079, 12.0926, 9.4398



9.0093, 12.0926, 8.7410

Complementary

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



11.3142, 12.0926, 24.6594



15.8855, 15.2689, 7.5791

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.



10.1056, 12.0926, 6.5410



11.3142, 12.0926, 24.6594



13.3456, 12.0926, 6.8704

Square

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



11.3142, 12.0926, 24.6594



15.0101, 12.0926, 13.6902



11.6750, 12.0926, 5.9496



8.5744, 12.0926, 12.6569

Rectangle

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



11.3142, 12.0926, 24.6594



13.9983, 12.0926, 20.5283



11.6750, 12.0926, 5.9496



9.3072, 12.0926, 7.8164

Sweetspot

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



11.3146, 12.0930, 24.6597



33.2770, 35.4729, 46.1414



13.4771, 19.5287, 15.7907



7.5073, 8.0130, 10.6573



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.3146, 12.0930, 24.6597



17.1983, 18.0758, 43.6309



8.9031, 7.1533, 23.8333



4.6043, 4.8843, 5.9008



5.7615, 5.0708, 21.8118



0.0272, 0.0320, 0.0780

Inverse Universe

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



14.3593, 10.2056, 13.2702



23.5463, 15.0279, 19.6855



19.5205, 22.8042, 8.8420



4.7583, 4.7230, 5.3396



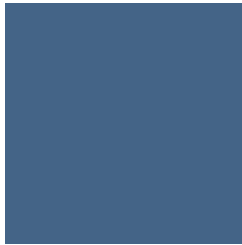
10.0863, 5.0988, 5.0266



0.0386, 0.0191, 0.0366

Previews

White Background



This preview shows how the XYZ color 11.3142, 12.0926, 24.6594 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 11.3142, 12.0926, 24.6594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

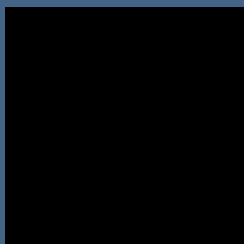
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

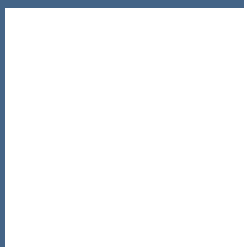
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.3142, 12.0926, 24.6594

Background



This preview shows how black text looks on a background with the XYZ color 11.3142, 12.0926, 24.6594.

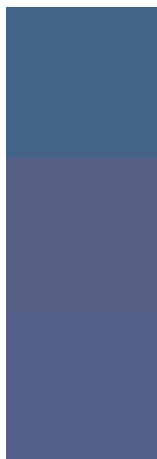


This preview shows how white text looks on a background with the XYZ color 11.3142, 12.0926,

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

11.3142, 12.0926, 24.6594

Protanopia

12.2782, 12.0579, 23.5101

Deuteranopia

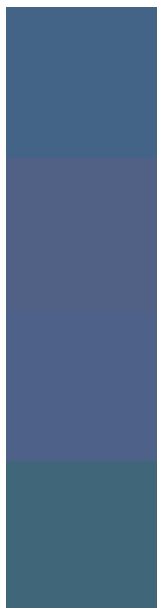
12.2830, 12.0281, 24.9668



Tritanopia

9.8554, 12.0850, 17.4360

Trichromacy



Original Color

11.3142, 12.0926, 24.6594

Protanomaly

11.8166, 11.9483, 23.8738

Deuteranomaly

11.8605, 11.9467, 24.9734

Tritanomaly

10.4158, 12.1710, 19.8894

Monochromacy



Original Color

11.3142, 12.0926, 24.6594

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.6895, 11.4012, 16.1052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.3142, 12.0926, 24.6594 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(68, 100, 135)` looks like.

```
.text, #text, p{  
    color:rgb(68, 100, 135)  
}
```

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(68, 100, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 100, 135) }
```

Border

The CSS property to change the border of an element to XYZ 11.3142, 12.0926, 24.6594 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(68, 100, 135) }
```


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

```
.border{ border-color:rgb(68, 100, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 100, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 100, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 100, 135);  
box-shadow:4px 4px 4px 4px rgb(68, 100,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 11.3142, 12.0926, 24.6594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 100, 135) }
```

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

```
.background{ background-color: rgb(68, 100,  
135) }
```

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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