

Converting Colors

XYZ(11.9007, 14.2610, 28.7843)

Have a look what the booklet for
XYZ(11.9007, 14.2610, 28.7843)
contains.

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Color

**XYZ(11.9708, 14.3468,
28.9263)**

Conversions

Conversions Part 1

Format	Color
Hex	2A7191
RGB	42, 113, 145
RGB Percent	16%, 44%, 57%
CMY	0.8353, 0.5569, 0.4314
CMYK	0.71, 0.22, 0.00, 0.43
HSL	199°, 55%, 37%
HSV	199°, 71%, 57%
XYZ	11.9708, 14.3468, 28.9263
YIQ	95.4190, -52.5880, -5.1000

Conversions

Conversions Part 2

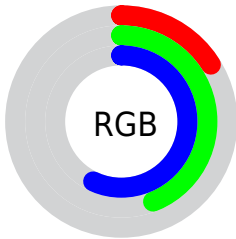
Format	Color
R _Y B	42, 84, 145
Decimal	2781585
CIE Lab	44.73, -11.12, -23.87
CIE LCh	45, 26.334, 245.018
Yxy	14.3468, 0.2167, 0.2597
Android (android.graphics.Color)	4280971665 (0xFF2A7191)
YUV	95.4190, 24.4434, -46.8485
Hunter-Lab	37.8772, -9.8714, -18.7650

Details

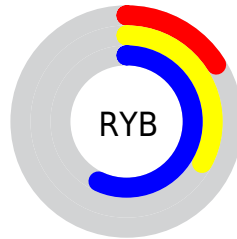
The XYZ color **11.9708, 14.3468, 28.9263** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **14.5444, 11.0854, 3.5643**, and the grayscale version is **10.9305, 11.4998, 12.5233**.

A 20% lighter version of the original color is **29.1308, 33.8005, 59.0216**, and **3.9107, 4.5887, 11.2693** is the 20% darker color. If you saturate the color by 10%, you get **10.9915, 13.1145, 28.7403**, and if you desaturate by 10%, it is **13.1907, 15.7407, 29.1313**.

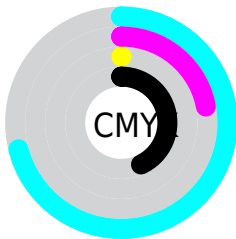
Distribution



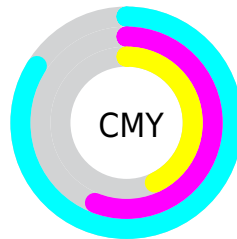
- Red (16%)
- Green (44%)
- Blue (57%)



- Red (16%)
- Yellow (33%)
- Blue (57%)



- Cyan (71%)
- Magenta (22%)
- Yellow (0%)
- Black (43%)



- Cyan (84%)
- Magenta (56%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9708, 14.3468, 28.9263 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 11.9708, 14.3468, 28.9263 by changing the saturation by 10% instead.

■ 11.9708, 14.3468,
28.9263

■ 11.9708, 14.3468,
28.9263

■ 197.9857,
219.3777, 310.9171

■ 6.7959, 8.3623,
18.7800

■ 29.0592, 33.7031,
59.0008

■ 3.3799, 4.3276,
11.3362

■ 41.7034, 47.8437,
79.7660

■ 1.3577, 1.8585,
6.1764

■ 57.5681, 65.4717,
104.9079

■ 0.2258, 0.5232,
2.8821

■ 77.0186, 86.9716,
134.8451

■ 0.0000, 0.0000,
1.0348

■ 100.4202,
112.7278, 169.9960

■ 0.0000, 0.0000,
0.0000

■ 128.1384,

143.1246, 210.7793

160.5384,
178.5464, 257.6135

■ 11.9708, 14.3468,
28.9263

■ 11.9708, 14.3468,
28.9263

■ 10.9915, 13.1145,
28.7403

■ 13.1907, 15.7407,
29.1313

■ 10.2264, 12.0289,
28.5711

■ 14.6709, 17.3061,
29.3555

■ 9.6633, 11.1492,
28.4310

■ 16.4305, 19.0536,
29.6000

■ 18.4864, 20.9925,
29.8659

■ 20.8541, 23.1311,
30.1539

■ 23.5479, 25.4775,
30.4648

■ 26.5813, 28.0388,
30.7994

■ 29.9669, 30.8223,
31.1582

■ 33.7167, 33.8344,
31.5419

Harmonies

Analogous

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



10.5357, 14.3468, 23.4081



11.9708, 14.3468, 28.9263



13.9993, 14.3468, 30.5507

Triad

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



11.9708, 14.3468, 28.9263



18.1607, 14.3468, 14.6128



11.4082, 14.3468, 7.8199

Complementary

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



11.9708, 14.3468, 28.9263



14.5444, 11.0854, 3.5643

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.



13.2794, 14.3468, 6.5757



11.9708, 14.3468, 28.9263



17.2922, 14.3468, 9.7868

Square

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



11.9708, 14.3468, 28.9263



17.7173, 14.3468, 21.1469



15.4493, 14.3468, 7.1878



10.2355, 14.3468, 11.1532

Rectangle

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



11.9708, 14.3468, 28.9263



15.4518, 14.3468, 28.9217



15.4493, 14.3468, 7.1878



11.9687, 14.3468, 7.1896

Sweetspot

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



11.9713, 14.3473, 28.9267



37.1621, 41.2607, 53.9790



12.2801, 21.2231, 9.7361



8.0272, 8.9650, 11.9795



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



11.9713, 14.3473, 28.9267



18.8534, 22.3390, 51.2917



7.8217, 6.0482, 27.5435



5.4208, 5.8374, 6.8698



8.3122, 9.6103, 24.3940



0.0991, 0.1312, 0.2398

Inverse Universe

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



15.4861, 8.8685, 16.5188



25.9849, 13.4857, 25.6085



19.3533, 20.7032, 5.1672



5.5559, 5.4829, 6.4253



11.9987, 5.9565, 10.9105



0.1246, 0.0609, 0.1566

Previews

White Background



This preview shows how the XYZ color 11.9708, 14.3468, 28.9263 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 11.9708, 14.3468, 28.9263 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

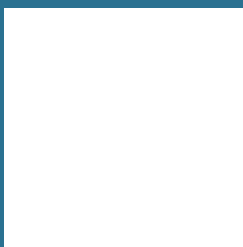
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9708, 14.3468, 28.9263

Background



This preview shows how black text looks on a background with the XYZ color 11.9708, 14.3468, 28.9263.

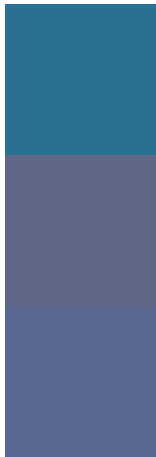


This preview shows how white text looks on a background with the XYZ color 11.9708, 14.3468,

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

11.9708, 14.3468, 28.9263

Protanopia

14.3616, 14.2224, 26.0330

Deuteranopia

14.5312, 14.2314, 29.5848



Tritanopia

10.4902, 14.2440, 21.9351

Trichromacy



Original Color

11.9708, 14.3468, 28.9263

Protanomaly

13.0459, 13.9750, 27.2091

Deuteranomaly

13.1937, 14.0072, 29.2024

Tritanomaly

10.9916, 14.2783, 24.3670

Monochromacy



Original Color

11.9708, 14.3468, 28.9263

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.7125, 12.2315, 17.4191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9708, 14.3468, 28.9263 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(42, 113, 145)` looks like.

```
.text, #text, p{  
    color:rgb(42, 113, 145)  
}
```

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(42, 113, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 113, 145) }
```

Border

The CSS property to change the border of an element to XYZ 11.9708, 14.3468, 28.9263 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(42, 113, 145) }
```


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

```
.border{ border-color:rgb(42, 113, 145) }
```

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

Here you see how a box with a 4 pixel rgb(42, 113, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 113, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 113, 145);  
box-shadow:4px 4px 4px 4px rgb(42, 113,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9708, 14.3468, 28.9263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 113, 145) }
```

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

```
.background{ background-color: rgb(42, 113,  
145) }
```

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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