

Converting Colors

XYZ(11.8724, 12.8049, 31.9828)

Have a look what the booklet for
XYZ(11.8724, 12.8049, 31.9828)
contains.

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Color

**XYZ(11.8724, 12.8049,
31.9828)**

Conversions

Conversions Part 1

Format	Color
Hex	2F6899
RGB	47, 104, 153
RGB Percent	18%, 41%, 60%
CMY	0.8157, 0.5922, 0.4000
CMYK	0.69, 0.32, 0.00, 0.40
HSL	208°, 53%, 39%
HSV	208°, 69%, 60%
XYZ	11.8724, 12.8049, 31.9828
YIQ	92.5430, -49.7010, 3.1550

Conversions

Conversions Part 2

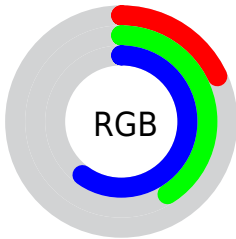
Format	Color
R_{YB}	47, 84, 153
Decimal	3106969
CIE _{Lab}	42.47, -2.08, -32.14
CIE _{LCh}	42, 32.209, 266.305
Yxy	12.8049, 0.2095, 0.2260
Android (android.graphics.Color)	4281297049 (0xFF2F6899)
YUV	92.5430, 29.8053, -39.9412
Hunter-Lab	35.7839, -3.3991, -27.9432

Details

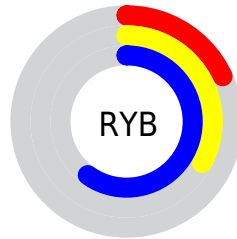
The XYZ color **11.8724, 12.8049, 31.9828** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **17.8336, 15.3445, 4.7119**, and the grayscale version is **10.2401, 10.7734, 11.7323**.

A 20% lighter version of the original color is **28.9322, 31.0000, 64.1332**, and **3.8614, 3.8856, 13.1168** is the 20% darker color. If you saturate the color by 10%, you get **10.6045, 11.1385, 31.7282**, and if you desaturate by 10%, it is **13.4483, 14.7191, 32.2695**.

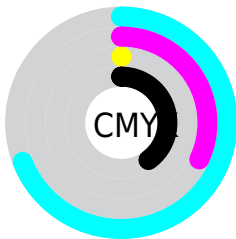
Distribution



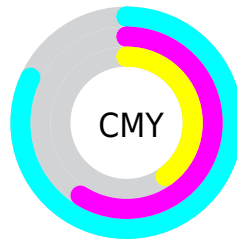
- Red (18%)
- Green (41%)
- Blue (60%)



- Red (18%)
- Yellow (33%)
- Blue (60%)



- Cyan (69%)
- Magenta (32%)
- Yellow (0%)
- Black (40%)



- Cyan (82%)
- Magenta (59%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8724, 12.8049, 31.9828 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 11.8724, 12.8049, 31.9828 by changing the saturation by 10% instead.

■ 11.8724, 12.8049,
31.9828

■ 11.8724, 12.8049,
31.9828

■ 197.3459,
209.6635, 325.5312

■ 6.7284, 7.2943,
21.0837

■ 28.8814, 30.9528,
63.8817

■ 3.3377, 3.6469,
12.9933

■ 41.4771, 44.3590,
85.7186

■ 1.3347, 1.4780,
7.2933

■ 57.2874, 61.1658,
112.0384

■ 0.2090, 0.2732,
3.5650

■ 76.6777, 81.7577,
143.2598

■ 0.0000, 0.0000,
1.3899

■ 100.0134,
106.5190, 179.8012

■ 0.0000, 0.0000,
0.1338

■ 127.6597,

■ 0.0000, 0.0000,

135.8341, 222.0812

0.0000

159.9821,
170.0875, 270.5184

■ 11.8724, 12.8049,
31.9828

■ 11.8724, 12.8049,
31.9828

■ 10.6045, 11.1385,
31.7282

■ 13.4483, 14.7191,
32.2695

■ 9.6145, 9.7017,
31.5031

■ 15.3554, 16.8947,
32.5889

■ 8.8403, 8.4603,
31.3043

■ 17.6162, 19.3453,
32.9428

■ 8.7876, 8.3754,
31.2907

■ 20.2505, 22.0833,
33.3324

■ 23.2767, 25.1199,
33.7590

■ 26.7118, 28.4658,
34.2238

■ 30.5719, 32.1310,
34.7278

■ 34.8720, 36.1250,
35.2721

■ 39.6265, 40.4571,
35.8577

Harmonies

Analogous

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



9.7611, 12.8049, 28.2790



11.8724, 12.8049, 31.9828



14.3579, 12.8049, 29.6816

Triad

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



11.8724, 12.8049, 31.9828



16.8514, 12.8049, 8.8191



8.6865, 12.8049, 7.7648

Complementary

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



11.8724, 12.8049, 31.9828



17.8336, 15.3445, 4.7119

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.



10.2177, 12.8049, 5.0659



11.8724, 12.8049, 31.9828



14.9473, 12.8049, 5.5173

Square

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



11.8724, 12.8049, 31.9828



17.4465, 12.8049, 14.8215



12.4739, 12.8049, 4.4063



8.0827, 12.8049, 13.0987

Rectangle

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



11.8724, 12.8049, 31.9828



15.8659, 12.8049, 25.3623



12.4739, 12.8049, 4.4063



9.0989, 12.8049, 6.5980

Sweetspot

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



11.8729, 12.8053, 31.9831



40.4662, 43.7777, 60.2891



14.6161, 24.2080, 14.6583



8.6293, 9.3611, 13.2695



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



11.8729, 12.8053, 31.9831



17.9821, 18.5184, 56.5986



8.1641, 5.3879, 30.7469



6.1457, 6.5488, 7.8691



7.2964, 6.9894, 25.8722



0.1455, 0.1772, 0.3989

Inverse Universe

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



16.6525, 9.8054, 14.1120



27.6424, 14.6815, 19.9792



24.1932, 28.0637, 6.8318



6.3407, 6.2754, 7.1741



12.1416, 6.1109, 7.2708



0.1999, 0.0987, 0.2054

Previews

White Background



This preview shows how the XYZ color 11.8724, 12.8049, 31.9828 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 11.8724, 12.8049, 31.9828 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 11.8724, 12.8049, 31.9828

Background



This preview shows how black text looks on a background with the XYZ color 11.8724, 12.8049, 31.9828.

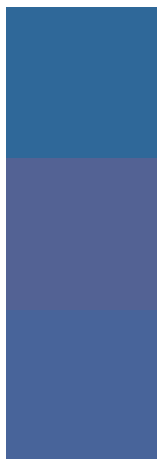


This preview shows how white text looks on a background with the XYZ color 11.8724, 12.8049,

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

11.8724, 12.8049, 31.9828

Protanopia

13.2803, 12.7125, 29.7708

Deuteranopia

13.0624, 12.8252, 32.3589



Tritanopia

9.4055, 12.8955, 19.7627

Trichromacy



Original Color

11.8724, 12.8049, 31.9828

Protanomaly

12.5880, 12.6184, 30.6263

Deuteranomaly

12.5363, 12.6972, 32.3619

Tritanomaly

10.0925, 12.6824, 23.7458

Monochromacy



Original Color

11.8724, 12.8049, 31.9828

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.3497, 11.3237, 17.8599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8724, 12.8049, 31.9828 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(47, 104, 153)` looks like.

```
.text, #text, p{  
    color:rgb(47, 104, 153)  
}
```

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(47, 104, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 104, 153) }
```

Border

The CSS property to change the border of an element to XYZ 11.8724, 12.8049, 31.9828 is called "border". The border property can be set on classes, ids or directly on the HTML element.

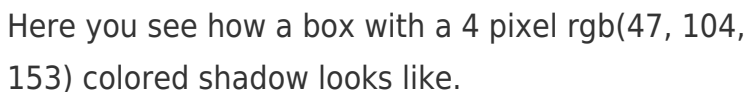
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(47, 104, 153) }
```


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

```
.border{ border-color:rgb(47, 104, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(47, 104, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(47, 104, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(47, 104, 153); box-shadow:4px 4px 4px 4px rgb(47, 104, 153) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8724, 12.8049, 31.9828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 104, 153) }
```

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

```
.background{ background-color: rgb(47, 104,  
153) }
```

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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