

Converting Colors

XYZ(16.2386, 21.2046, 5.9584)

Have a look what the booklet for
XYZ(16.2386, 21.2046, 5.9584)
contains.

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Color

**XYZ(16.2473, 21.1780,
5.9208)**

Conversions

Conversions Part 1

Format	Color
Hex	73872F
RGB	115, 135, 47
RGB Percent	45%, 53%, 18%
CMY	0.5490, 0.4706, 0.8157
CMYK	0.15, 0.00, 0.65, 0.47
HSL	74°, 48%, 36%
HSV	74°, 65%, 53%
XYZ	16.2473, 21.1780, 5.9208
YIQ	118.9880, 16.3280, -31.6080

Conversions

Conversions Part 2

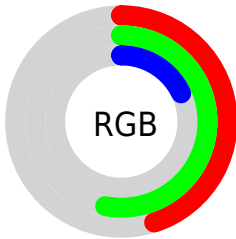
Format	Color
RYB	47, 135, 67
Decimal	7571247
CIELab	53.14, -20.54, 43.44
CIElCh	53, 48.054, 115.307
Yxy	21.1780, 0.3748, 0.4886
Android (android.graphics.Color)	4285761327 (0xFF73872F)
YUV	118.9880, -35.4901, -3.4975
Hunter-Lab	46.0196, -17.5144, 24.5855

Details

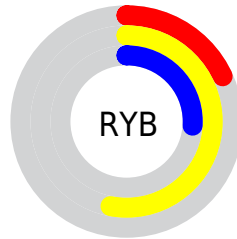
The XYZ color **16.2473, 21.1780, 5.9208** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.7052, 4.9762, 23.4773**, and the grayscale version is **17.6365, 18.5549, 20.2063**.

A 20% lighter version of the original color is **36.5031, 45.2645, 18.1223**, and **5.3629, 7.5870, 1.1818** is the 20% darker color. If you saturate the color by 10%, you get **15.6194, 20.8817, 4.6834**, and if you desaturate by 10%, it is **16.9740, 21.5168, 7.6036**.

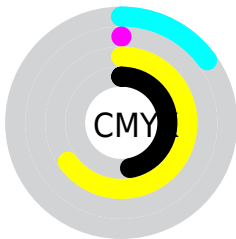
Distribution



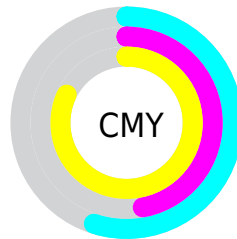
- Red (45%)
- Green (53%)
- Blue (18%)



- Red (18%)
- Yellow (53%)
- Blue (26%)



- Cyan (15%)
- Magenta (0%)
- Yellow (65%)
- Black (47%)



- Cyan (55%)
- Magenta (47%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2473, 21.1780, 5.9208 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 16.2473, 21.1780, 5.9208 by changing the saturation by 10% instead.

■ 16.2473, 21.1780,
5.9208

■ 16.2473, 21.1780,
5.9208

■ 224.0384,
258.2230, 167.6437

■ 9.7913, 13.2542,
2.7290

■ 36.5810, 45.3836,
18.2411

■ 5.3220, 7.6038,
0.9580

■ 51.1894, 62.4341,
28.2067

■ 2.4741, 3.8425,
0.0000

■ 69.2459, 83.2957,
41.2672

■ 0.8822, 1.5859,
0.0000

■ 91.1159, 108.3527,
57.8413

■ 0.0000, 0.3480,
0.0000

■ 117.1649,
137.9896, 78.3474

■ 0.0000, 0.0000,
0.0000

■ 147.7580,

172.5906, 103.2042

183.2607,
212.5403, 132.8301

■ 16.2473, 21.1780,
5.9208

■ 16.2473, 21.1780,
5.9208

■ 15.6194, 20.8817,
4.6834

■ 16.9740, 21.5168,
7.6036

■ 15.0805, 20.6219,
3.8475

■ 17.8050, 21.8982,
9.7676

■ 14.6194, 20.3947,
3.3528

■ 18.7474, 22.3257,
12.4464

■ 14.4101, 20.2908,
3.1570

■ 19.8070, 22.8017,
15.6703

■ 20.9893, 23.3284,
19.4672

■ 22.2992, 23.9077,
23.8632

■ 23.7415, 24.5417,
28.8826

■ 25.3209, 25.2321,
34.5486

■ 27.0414, 25.9806,
40.8830

Harmonies

Analogous

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



20.9363, 21.1780, 4.9376



16.2473, 21.1780, 5.9208



13.1379, 21.1780, 10.5505

Triad

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



16.2473, 21.1780, 5.9208



15.0802, 21.1780, 54.4246



31.4759, 21.1780, 25.4170

Complementary

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



16.2473, 21.1780, 5.9208



7.7052, 4.9762, 23.4773

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.



29.2428, 21.1780, 42.8509



16.2473, 21.1780, 5.9208



19.3428, 21.1780, 63.5107

Square

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



16.2473, 21.1780, 5.9208



12.5475, 21.1780, 37.1507



24.5845, 21.1780, 58.5703



30.2767, 21.1780, 13.0754

Rectangle

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



16.2473, 21.1780, 5.9208



12.1034, 21.1780, 16.6848



24.5845, 21.1780, 58.5703



31.0925, 21.1780, 30.8800

Sweetspot

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



16.2478, 21.1790, 5.9212



36.4434, 41.2665, 31.1502



12.4577, 9.2610, 3.8206



8.3218, 9.5042, 6.8376



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.



16.2478, 21.1790, 5.9212



27.5106, 37.1730, 7.6194



11.8453, 18.9094, 5.7152



4.9390, 5.3711, 5.0058



13.2990, 18.7158, 2.9116



0.0523, 0.0681, 0.0104

Inverse Universe

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



7.7052, 4.9762, 23.4773



11.0665, 5.8632, 41.5968



11.8292, 7.1021, 23.6703



4.5263, 4.5919, 5.8485



4.5553, 1.8825, 21.2600



0.0212, 0.0093, 0.0739

Previews

White Background



This preview shows how the XYZ color 16.2473, 21.1780, 5.9208 looks on a white 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

Black Background



This preview shows how the XYZ color 16.2473, 21.1780, 5.9208 looks on a black 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

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

XYZ 16.2473, 21.1780, 5.9208

Background



This preview shows how black text looks on a background with the XYZ color 16.2473, 21.1780, 5.9208.



This preview shows how white text looks on a background with the XYZ color 16.2473, 21.1780,

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

16.2473, 21.1780, 5.9208

Protanopia

19.2184, 21.1190, 5.5461

Deuteranopia

21.2409, 20.8490, 6.1535



Tritanopia

20.3622, 21.0593, 26.2842

Trichromacy



Original Color

16.2473, 21.1780, 5.9208

Protanomaly

17.9915, 21.0681, 5.7031

Deuteranomaly

19.0647, 20.6483, 5.9983

Tritanomaly

18.2341, 20.7649, 16.1437

Monochromacy



Original Color

16.2473, 21.1780, 5.9208

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.7806, 19.3091, 13.1985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2473, 21.1780, 5.9208 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(115, 135, 47)` looks like.

```
.text, #text, p{  
    color:rgb(115, 135, 47)  
}
```

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(115, 135, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 135, 47) }
```

Border

The CSS property to change the border of an element to XYZ 16.2473, 21.1780, 5.9208 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(115, 135, 47) }
```


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

```
.border{ border-color:rgb(115, 135, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 135, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 135, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 135, 47);  
box-shadow:4px 4px 4px 4px rgb(115, 135,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2473, 21.1780, 5.9208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 135, 47) }
```

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

```
.background{ background-color: rgb(115,  
135, 47) }
```

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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