

Converting Colors

XYZ(15.0046, 12.9393, 22.3058)

Have a look what the booklet for
XYZ(15.0046, 12.9393, 22.3058)
contains.

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Color

**XYZ(14.9921, 12.9523,
22.4788)**

Conversions

Conversions Part 1

Format	Color
Hex	745C81
RGB	116, 92, 129
RGB Percent	45%, 36%, 51%
CMY	0.5451, 0.6392, 0.4941
CMYK	0.10, 0.29, 0.00, 0.49
HSL	279°, 17%, 43%
HSV	279°, 29%, 51%
XYZ	14.9921, 12.9523, 22.4788
YIQ	103.3940, 2.4270, 16.5950

Conversions

Conversions Part 2

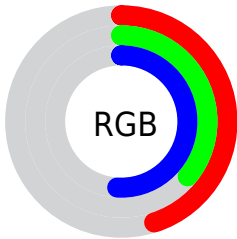
Format	Color
R_{YB}	116, 92, 129
Decimal	7625857
CIE _{Lab}	42.69, 17.17, -17.01
CIE _{LCh}	43, 24.174, 315.271
Yxy	12.9523, 0.2973, 0.2569
Android (android.graphics.Color)	4285815937 (0xFF745C81)
YUV	103.3940, 12.6238, 11.0555
Hunter-Lab	35.9893, 11.3766, -11.8398

Details

The XYZ color **14.9921, 12.9523, 22.4788** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **15.6082, 19.4768, 13.0626**, and the grayscale version is **12.9640, 13.6391, 14.8530**.

A 20% lighter version of the original color is **34.2649, 31.0482, 48.4429**, and **4.7397, 3.7265, 8.0589** is the 20% darker color. If you saturate the color by 10%, you get **13.3806, 10.6018, 22.1102**, and if you desaturate by 10%, it is **16.8241, 15.6997, 22.9127**.

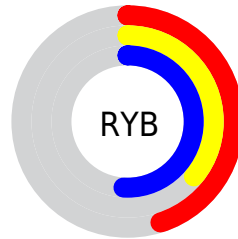
Distribution



Red (45%)

Green (36%)

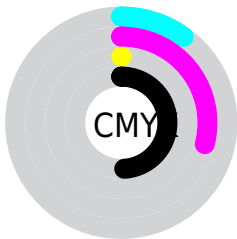
Blue (51%)



Red (45%)

Yellow (36%)

Blue (51%)

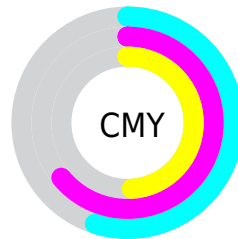


Cyan (10%)

Magenta (29%)

Yellow (0%)

Black (49%)



Cyan (55%)

Magenta (64%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9921, 12.9523, 22.4788 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 14.9921, 12.9523, 22.4788 by changing the saturation by 10% instead.

■ 14.9921, 12.9523,
22.4788

■ 14.9921, 12.9523,
22.4788

216.7077,
210.6117, 278.0712

■ 8.9001, 7.3957,
14.0075

■ 34.4111, 31.2181,
48.4484

■ 4.7327, 3.7108,
7.9870

■ 48.4688, 44.6960,
66.7837

■ 2.1244, 1.5131,
3.9990

■ 65.9125, 61.5832,
89.2441

■ 0.7024, 0.2979,
1.6248

■ 87.1075, 82.2641,
116.2481

■ 0.0000, 0.0000,
0.3084

112.4192,
107.1230, 148.2143

■ 0.0000, 0.0000,
0.0000

142.2128,

136.5443, 185.5612

176.8539,
170.9124, 228.7073

■ 14.9921, 12.9523,
22.4788

■ 14.9921, 12.9523,
22.4788

■ 13.3806, 10.6018,
22.1102

■ 16.8241, 15.6997,
22.9127

■ 11.9783, 8.6270,
21.8030

■ 18.8849, 18.8604,
23.4142

■ 10.7748, 7.0073,
21.5538

■ 21.1834, 22.4520,
23.9863

■ 9.7581, 5.7194,
21.3588

■ 23.7282, 26.4906,
24.6317

■ 8.9147, 4.7370,
21.2136

■ 26.5269, 30.9912,
25.3529

8.2291, 4.0298,
21.1132

29.5872, 35.9683,
26.1523

7.6617, 3.5194,
21.0446

32.9163, 41.4358,
27.0322

7.5897, 3.4549,
21.0360

36.5210, 47.4070,
27.9947

40.4079, 53.8945,
29.0421

Harmonies

Analogous

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



13.2639, 12.9523, 26.2729



14.9921, 12.9523, 22.4788



16.0491, 12.9523, 16.8319

Triad

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



14.9921, 12.9523, 22.4788



13.2300, 12.9523, 6.4123



9.2104, 12.9523, 16.9359

Complementary

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



14.9921, 12.9523, 22.4788



15.6082, 19.4768, 13.0626

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.



9.2033, 12.9523, 11.6860



14.9921, 12.9523, 22.4788



11.4045, 12.9523, 6.4269

Square

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



14.9921, 12.9523, 22.4788



14.9652, 12.9523, 8.0720



9.9699, 12.9523, 8.1186



9.9904, 12.9523, 22.5711

Rectangle

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



14.9921, 12.9523, 22.4788



16.1700, 12.9523, 13.1946



9.9699, 12.9523, 8.1186



9.1203, 12.9523, 15.0519

Sweetspot

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



14.9925, 12.9528, 22.4791



33.6119, 33.4552, 41.8784



13.4861, 14.0798, 22.7760



7.4996, 7.4050, 9.4524



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



14.9925, 12.9528, 22.4791



25.0369, 20.5384, 39.8372



16.5231, 13.7789, 20.8799



4.3561, 4.3392, 5.4212



7.4046, 3.3709, 20.5103



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.4306, 13.3419, 15.1271



26.0145, 21.3874, 24.2949



14.4189, 18.8380, 14.1697



4.3853, 4.3673, 4.8336



9.2968, 4.7384, 2.8868



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 14.9921, 12.9523, 22.4788 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 14.9921, 12.9523, 22.4788 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 14.9921, 12.9523, 22.4788

Background



This preview shows how black text looks on a background with the XYZ color 14.9921, 12.9523, 22.4788.



This preview shows how white text looks on a background with the XYZ color 14.9921, 12.9523,

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

14.9921, 12.9523, 22.4788

Protanopia

13.2447, 13.0878, 24.7498

Deuteranopia

13.2879, 13.0236, 22.2355



Tritanopia

13.4555, 12.9936, 14.8955

Trichromacy



Original Color

14.9921, 12.9523, 22.4788

Protanomaly

13.7639, 12.9522, 23.9649

Deuteranomaly

13.7881, 12.8673, 22.1790

Tritanomaly

13.8829, 12.8874, 17.3786

Monochromacy



Original Color

14.9921, 12.9523, 22.4788

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.5708, 13.2817, 17.1776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9921, 12.9523, 22.4788 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(116, 92, 129)` looks like.

```
.text, #text, p{  
    color:rgb(116, 92, 129)  
}
```

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(116, 92, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 92, 129) }
```

Border

The CSS property to change the border of an element to XYZ 14.9921, 12.9523, 22.4788 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(116, 92, 129) }
```


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

```
.border{ border-color:rgb(116, 92, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 92, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 92, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 92, 129);  
box-shadow:4px 4px 4px 4px rgb(116, 92,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9921, 12.9523, 22.4788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 92, 129) }
```

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

```
.background{ background-color: rgb(116, 92,  
129) }
```

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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