

Converting Colors

XYZ(16.6287, 22.0003, 6.2981)

Have a look what the booklet for
XYZ(16.6287, 22.0003, 6.2981)
contains.

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Color

**XYZ(16.5823, 21.9761,
6.2736)**

Conversions

Conversions Part 1

Format	Color
Hex	728A31
RGB	114, 138, 49
RGB Percent	45%, 54%, 19%
CMY	0.5529, 0.4588, 0.8078
CMYK	0.17, 0.00, 0.64, 0.46
HSL	76°, 48%, 37%
HSV	76°, 64%, 54%
XYZ	16.5823, 21.9761, 6.2736
YIQ	120.6780, 14.2650, -32.7670

Conversions

Conversions Part 2

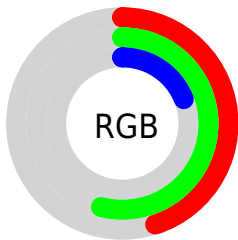
Format	Color
R_{YB}	49, 138, 73
Decimal	7506481
CIE _{Lab}	54.00, -22.34, 43.45
CIE _{LCh}	54, 48.855, 117.218
Yxy	21.9761, 0.3699, 0.4902
Android (android.graphics.Color)	4285696561 (0xFF728A31)
YUV	120.6780, -35.3373, -5.8566
Hunter-Lab	46.8787, -18.8972, 24.8805

Details

The XYZ color **16.5823, 21.9761, 6.2736** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.4343, 5.4487, 24.6532**, and the grayscale version is **18.1777, 19.1243, 20.8264**.

A 20% lighter version of the original color is **37.0314, 46.4873, 18.8256**, and **5.5396, 8.0362, 1.2592** is the 20% darker color. If you saturate the color by 10%, you get **15.8604, 21.6333, 4.9457**, and if you desaturate by 10%, it is **17.4142, 22.3667, 8.0733**.

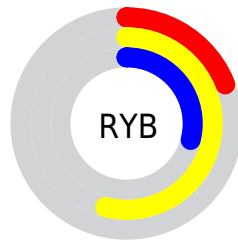
Distribution



Red (45%)

Green (54%)

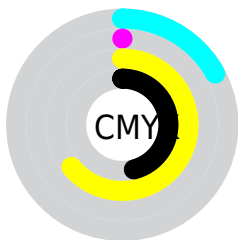
Blue (19%)



Red (19%)

Yellow (54%)

Blue (29%)

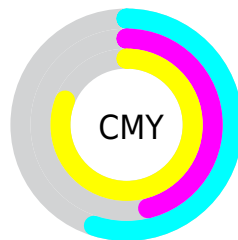


Cyan (17%)

Magenta (0%)

Yellow (64%)

Black (46%)



Cyan (55%)

Magenta (46%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5823, 21.9761, 6.2736 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 16.5823, 21.9761, 6.2736 by changing the saturation by 10% instead.

■ 16.5823, 21.9761,
6.2736

■ 16.5823, 21.9761,
6.2736

■ 225.9571,
262.4214, 170.8787

■ 10.0306, 13.8393,
2.9407

■ 37.1555, 46.7065,
18.9836

■ 5.4817, 8.0090,
1.0644

■ 51.9078, 64.0689,
29.1977

■ 2.5702, 4.1007,
0.0000

■ 70.1242, 85.2753,
42.5427

■ 0.9308, 1.7301,
0.0000

■ 92.1702, 110.7102,
59.4370

■ 0.0000, 0.4430,
0.0000

■ 118.4112,
140.7578, 80.2992

■ 0.0000, 0.0000,
0.0000

■ 149.2124,

175.8026, 105.5479

184.9393,
216.2290, 135.6015

■ 16.5823, 21.9761,
6.2736

■ 16.5823, 21.9761,
6.2736

■ 15.8604, 21.6333,
4.9457

■ 17.4142, 22.3667,
8.0733

■ 15.2382, 21.3319,
4.0435

■ 18.3621, 22.8052,
10.3821

■ 14.7051, 21.0683,
3.5099

■ 19.4333, 23.2955,
13.2355

■ 14.4316, 20.9321,
3.2797

■ 20.6343, 23.8399,
16.6652

■ 21.9706, 24.4409,
20.7006

■ 23.4478, 25.1006,
25.3690

■ 25.0709, 25.8211,
30.6961

■ 26.8447, 26.6043,
36.7061

■ 28.7738, 27.4522,
43.4220

Harmonies

Analogous

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



21.3840, 21.9761, 5.0579



16.5823, 21.9761, 6.2736



13.4660, 21.9761, 11.3914

Triad

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



16.5823, 21.9761, 6.2736



15.8616, 21.9761, 57.6147



32.7490, 21.9761, 25.3667

Complementary

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



16.5823, 21.9761, 6.2736



8.4343, 5.4487, 24.6532

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.



30.6316, 21.9761, 43.3617



16.5823, 21.9761, 6.2736



20.3989, 21.9761, 66.2673

Square

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



16.5823, 21.9761, 6.2736



13.1018, 21.9761, 39.8306



25.8802, 21.9761, 60.1861



31.2718, 21.9761, 12.9469

Rectangle

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



16.5823, 21.9761, 6.2736



12.4732, 21.9761, 18.0578



25.8802, 21.9761, 60.1861



32.4268, 21.9761, 30.9502

Sweetspot

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



16.5828, 21.9771, 6.2741



37.5370, 42.5458, 32.8543



13.4015, 10.3559, 4.1986



8.2894, 9.4843, 6.9789



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.



16.5828, 21.9771, 6.2741



27.4792, 37.9012, 7.9702



12.1526, 19.6932, 6.0667



5.3017, 5.7783, 5.3883



13.2454, 19.1982, 3.0075



0.1020, 0.1347, 0.0206

Inverse Universe

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



8.4343, 5.4487, 24.6532



12.0331, 6.4491, 42.9938



13.0541, 7.8303, 24.8694



4.8930, 4.9533, 6.3040



4.9253, 2.0532, 22.1824



0.0452, 0.0201, 0.1479

Previews

White Background



This preview shows how the XYZ color 16.5823, 21.9761, 6.2736 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 16.5823, 21.9761, 6.2736 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 16.5823, 21.9761, 6.2736

Background



This preview shows how black text looks on a background with the XYZ color 16.5823, 21.9761, 6.2736.



This preview shows how white text looks on a background with the XYZ color 16.5823, 21.9761,

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

16.5823, 21.9761, 6.2736

Protanopia

19.8649, 21.8350, 5.8569

Deuteranopia

22.1226, 21.6590, 6.5046



Tritanopia

20.8226, 21.8497, 27.5460

Trichromacy



Original Color

16.5823, 21.9761, 6.2736

Protanomaly

18.4576, 21.7025, 6.0125

Deuteranomaly

19.6667, 21.5259, 6.3672

Tritanomaly

18.5985, 21.5362, 16.8123

Monochromacy



Original Color

16.5823, 21.9761, 6.2736

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.1261, 19.8565, 13.7565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5823, 21.9761, 6.2736 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(114, 138, 49)` looks like.

```
.text, #text, p{  
    color:rgb(114, 138, 49)  
}
```

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(114, 138, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 138, 49) }
```

Border

The CSS property to change the border of an element to XYZ 16.5823, 21.9761, 6.2736 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(114, 138, 49) }
```


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

```
.border{ border-color:rgb(114, 138, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 138, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 138, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 138, 49);  
box-shadow:4px 4px 4px 4px rgb(114, 138,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5823, 21.9761, 6.2736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 138, 49) }
```

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

```
.background{ background-color: rgb(114,  
138, 49) }
```

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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