

Converting Colors

XYZ(21.2561, 29.6228, 16.1527)

Have a look what the booklet for
XYZ(21.2561, 29.6228, 16.1527)
contains.

XYZ(21.2561, 29.6228, 16.1527)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.2561, 29.6228,
16.1527)**

Conversions

Conversions Part 1

Format	Color
Hex	6DA162
RGB	109, 161, 98
RGB Percent	43%, 63%, 38%
CMY	0.5725, 0.3686, 0.6157
CMYK	0.32, 0.00, 0.39, 0.37
HSL	110°, 25%, 51%
HSV	110°, 39%, 63%
XYZ	21.2561, 29.6228, 16.1527
YIQ	138.2700, -10.7690, -30.6170

Conversions

Conversions Part 2

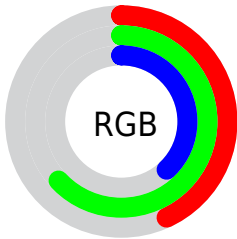
Format	Color
R_{YB}	98, 161, 150
Decimal	7184738
CIE _{Lab}	61.33, -29.81, 27.45
CIE _{LCh}	61, 40.524, 137.364
Yxy	29.6228, 0.3171, 0.4419
Android (android.graphics.Color)	4285374818 (0xFF6DA162)
YUV	138.2700, -19.8531, -25.6698
Hunter-Lab	54.4268, -25.5348, 20.5028

Details

The XYZ color **21.2561, 29.6228, 16.1527** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.3798, 17.7935, 35.9221**, and the grayscale version is **24.3377, 25.6051, 27.8840**.

A 20% lighter version of the original color is **44.8810, 58.9630, 37.4493**, and **7.7893, 12.0671, 4.9363** is the 20% darker color. If you saturate the color by 10%, you get **19.0582, 28.5698, 12.4730**, and if you desaturate by 10%, it is **23.8557, 30.8670, 20.6506**.

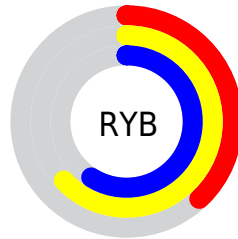
Distribution



Red (43%)

Green (63%)

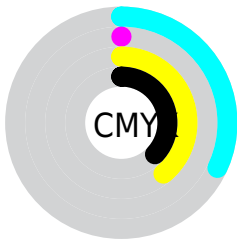
Blue (38%)



Red (38%)

Yellow (63%)

Blue (59%)

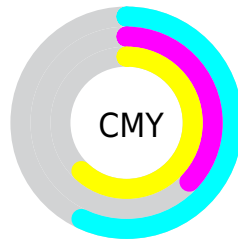


Cyan (32%)

Magenta (0%)

Yellow (39%)

Black (37%)



Cyan (57%)

Magenta (37%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2561, 29.6228, 16.1527 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 21.2561, 29.6228, 16.1527 by changing the saturation by 10% instead.

■ 21.2561, 29.6228,
16.1527

■ 21.2561, 29.6228,
16.1527

251.3424,
300.1423, 242.1175

■ 13.4249, 19.5525,
9.4767

■ 45.0014, 59.0651,
37.6336

■ 7.8008, 12.0701,
4.9524

■ 61.6462, 79.2059,
53.2756

■ 4.0185, 6.7915,
2.1611

■ 81.9596, 103.4723,
72.7433

■ 1.7126, 3.3320,
0.6518

■ 106.3069,
132.2487, 96.4554

■ 0.4641, 1.3074,
0.0000

135.0535,
165.9195, 124.8303

■ 0.0000, 0.1470,
0.0000

168.5647,

■ 0.0000, 0.0000,

204.8691, 158.2866

0.0000

207.2059,
249.4819, 197.2428

■ 21.2561, 29.6228,
16.1527

■ 21.2561, 29.6228,
16.1527

■ 19.0582, 28.5698,
12.4730

■ 23.8557, 30.8670,
20.6506

■ 17.2394, 27.6947,
9.5606

■ 26.8735, 32.3072,
26.0099

■ 15.7783, 26.9887,
7.3616


■ 30.3279, 33.9530,
32.2729


■ 14.6505, 26.4404,
5.8147


■ 34.2355, 35.8120,
39.4786


■ 13.8282, 26.0370,
4.8479


■ 38.6121, 37.8915,
47.6637

 13.2673, 25.7591,
4.3129

 43.4724, 40.1986,
56.8631

 13.2273, 25.7394,
4.2710

 48.8310, 42.7397,
67.1097

 54.7013, 45.5214,
78.4351

 61.0967, 48.5498,
90.8696

Harmonies

Analogous

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



25.2005, 29.6228, 11.5391



21.2561, 29.6228, 16.1527



19.2765, 29.6228, 26.2386

Triad

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



21.2561, 29.6228, 16.1527



25.9683, 29.6228, 70.3068



39.1386, 29.6228, 24.2487

Complementary

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



21.2561, 29.6228, 16.1527



23.3798, 17.7935, 35.9221

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.



39.4124, 29.6228, 39.1253



21.2561, 29.6228, 16.1527



31.3330, 29.6228, 69.2563

Square

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



21.2561, 29.6228, 16.1527



21.7567, 29.6228, 59.0904



36.4066, 29.6228, 56.5585



35.7001, 29.6228, 15.0947

Rectangle

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



21.2561, 29.6228, 16.1527



19.1494, 29.6228, 36.1728



36.4066, 29.6228, 56.5585



39.6180, 29.6228, 28.6293

Sweetspot

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



21.2568, 29.6241, 16.1534



52.3124, 59.8518, 54.1472



27.7226, 30.0979, 15.9040



11.3082, 13.0479, 11.5760



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.2568, 29.6241, 16.1534



34.5835, 51.3814, 23.0827



21.0499, 29.3946, 21.6890



7.0955, 7.9517, 7.5410



10.5891, 20.5694, 3.4122



0.2529, 0.4479, 0.0731

Inverse Universe

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



23.3798, 17.7935, 35.9221



38.9101, 27.1378, 63.5739



23.8782, 18.2378, 27.4817



7.2425, 7.1394, 8.8994



12.8803, 6.0465, 27.4180



0.3007, 0.1425, 0.5775

Previews

White Background



This preview shows how the XYZ color 21.2561, 29.6228, 16.1527 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 21.2561, 29.6228, 16.1527 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 21.2561, 29.6228, 16.1527

Background



This preview shows how black text looks on a background with the XYZ color 21.2561, 29.6228, 16.1527.



This preview shows how white text looks on a background with the XYZ color 21.2561, 29.6228,

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

21.2561, 29.6228, 16.1527

Protanopia

27.1074, 29.2348, 14.5701

Deuteranopia

29.8776, 29.2591, 16.9048



Tritanopia

26.0679, 29.5640, 39.9298

Trichromacy



Original Color

21.2561, 29.6228, 16.1527

Protanomaly

24.4491, 29.0335, 15.1419

Deuteranomaly

25.8878, 28.7948, 16.5054

Tritanomaly

24.0323, 29.4819, 29.6232

Monochromacy



Original Color

21.2561, 29.6228, 16.1527

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.6064, 26.4999, 22.6624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2561, 29.6228, 16.1527 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(109, 161, 98)` looks like.

```
.text, #text, p{  
    color:rgb(109, 161, 98)  
}
```

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(109, 161, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 161, 98) }
```

Border

The CSS property to change the border of an element to XYZ 21.2561, 29.6228, 16.1527 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(109, 161, 98) }
```


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

```
.border{ border-color:rgb(109, 161, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 161, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 161, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 161, 98);  
box-shadow:4px 4px 4px 4px rgb(109, 161,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2561, 29.6228, 16.1527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 161, 98) }
```

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

```
.background{ background-color: rgb(109,  
161, 98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor