

Converting Colors

XYZ(12.6779, 21.7272, 10.3049)

Have a look what the booklet for
XYZ(12.6779, 21.7272, 10.3049)
contains.

XYZ(12.6221, 21.6150, 10.3443)	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(12.6221, 21.6150,
10.3443)**

Conversions

Conversions Part 1

Format	Color
Hex	2C924C
RGB	44, 146, 76
RGB Percent	17%, 57%, 30%
CMY	0.8274, 0.4274, 0.7020
CMYK	0.70, 0.00, 0.48, 0.43
HSL	139°, 54%, 37%
HSV	139°, 70%, 57%
XYZ	12.6221, 21.6150, 10.3443
YIQ	107.5220, -38.3220, -43.3940

Conversions

Conversions Part 2

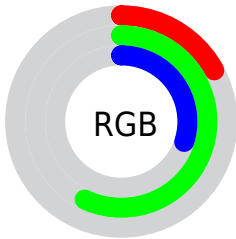
Format	Color
R_{YB}	44, 122, 146
Decimal	2921036
CIE _{Lab}	53.62, -44.97, 28.77
CIE _{LCh}	54, 53.389, 147.395
Yxy	21.6150, 0.2831, 0.4848
Android (android.graphics.Color)	4281111116 (0xFF2C924C)
YUV	107.5220, -15.5403, -55.7088
Hunter-Lab	46.4919, -32.8999, 19.3525

Details

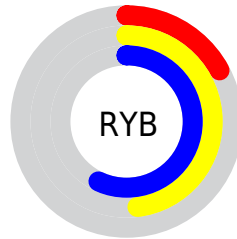
The XYZ color **12.6221, 21.6150, 10.3443** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.7927, 9.1277, 16.8500**, and the grayscale version is **14.1704, 14.9083, 16.2352**.

A 20% lighter version of the original color is **30.2461, 46.1632, 27.0549**, and **4.2245, 8.0941, 2.5021** is the 20% darker color. If you saturate the color by 10%, you get **11.7802, 21.2188, 8.6262**, and if you desaturate by 10%, it is **13.7400, 22.1485, 12.3596**.

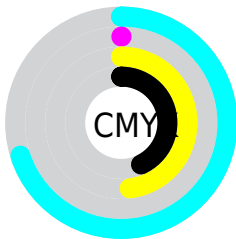
Distribution



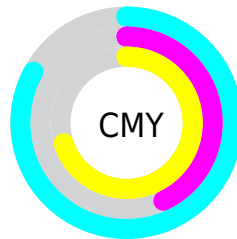
- Red (17%)
- Green (57%)
- Blue (30%)



- Red (17%)
- Yellow (48%)
- Blue (57%)



- Cyan (70%)
- Magenta (0%)
- Yellow (48%)
- Black (43%)



- Cyan (83%)
- Magenta (43%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6221, 21.6150, 10.3443 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 12.6221, 21.6150, 10.3443 by changing the saturation by 10% instead.

■ 12.6221, 21.6150,
10.3443

■ 12.6221, 21.6150,
10.3443

202.1683,
260.5291, 203.6853

■ 7.2440, 13.5743,
5.5193

■ 30.2303, 46.1088,
27.0590

■ 3.6629, 7.8252,
2.4910

■ 43.1912, 63.3308,
39.7857

■ 1.5132, 3.9833,
0.8354

■ 59.4103, 84.3819,
55.9834

■ 0.3348, 1.6642,
0.0000

■ 79.2532, 109.6466,
76.0706

■ 0.0000, 0.4003,
0.0000

■ 103.0850,
139.5092, 100.4658

■ 0.0000, 0.0000,
0.0000

■ 131.2713,

174.3543, 129.5877

164.1772,
214.5661, 163.8547

■ 12.6221, 21.6150,
10.3443

■ 12.6221, 21.6150,
10.3443

■ 11.7802, 21.2188,
8.6262

■ 13.7400, 22.1485,
12.3596

■ 11.1859, 20.9436,
7.1895

■ 15.1555, 22.8282,
14.6839

■ 10.7738, 20.7566,
6.0174

■ 16.8899, 23.6655,
17.3301

■ 10.7685, 20.7542,
6.0029

■ 18.9617, 24.6698,
20.3101

■ 21.3883, 25.8497,
23.6351

■ 24.1857, 27.2132,
27.3156

■ 27.3689, 28.7680,
31.3619

■ 30.9522, 30.5210,
35.7837

■ 34.9489, 32.4792,
40.5904

Harmonies

Analogous

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



15.9006, 21.6150, 5.2137



12.6221, 21.6150, 10.3443



11.4215, 21.6150, 22.1362

Triad

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



12.6221, 21.6150, 10.3443



20.0500, 21.6150, 70.9133



31.8996, 21.6150, 11.8405

Complementary

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



12.6221, 21.6150, 10.3443



15.7927, 9.1277, 16.8500

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.



33.5614, 21.6150, 24.9916



12.6221, 21.6150, 10.3443



26.0143, 21.6150, 63.8802

Square

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



12.6221, 21.6150, 10.3443



15.1839, 21.6150, 61.1425



31.2358, 21.6150, 44.8380



27.0380, 21.6150, 5.7540

Rectangle

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



12.6221, 21.6150, 10.3443



11.7562, 21.6150, 34.2276



31.2358, 21.6150, 44.8380



32.8861, 21.6150, 15.3394

Sweetspot

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



12.6226, 21.6159, 10.3448



37.0185, 45.2537, 40.7358



17.8572, 24.4126, 6.1540



7.9960, 9.9508, 8.7375



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.6226, 21.6159, 10.3448



20.1191, 37.1232, 13.6788



15.0584, 22.5902, 23.1711



5.8001, 6.4966, 6.5582



9.4852, 18.2669, 5.3306



0.1282, 0.2284, 0.1292

Inverse Universe

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



15.7927, 9.1277, 16.8500



26.0393, 13.5821, 25.6650



13.6922, 8.2875, 5.7887



5.9587, 5.8785, 6.8884



12.4746, 6.1949, 11.2462



0.1660, 0.0812, 0.2079

Previews

White Background



This preview shows how the XYZ color 12.6221, 21.6150, 10.3443 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 12.6221, 21.6150, 10.3443 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 12.6221, 21.6150, 10.3443

Background



This preview shows how black text looks on a background with the XYZ color 12.6221, 21.6150, 10.3443.



This preview shows how white text looks on a background with the XYZ color 12.6221, 21.6150,

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

12.6221, 21.6150, 10.3443

Protanopia

19.4788, 21.1839, 8.6925

Deuteranopia

21.6194, 21.3006, 10.9546



Tritanopia

16.9675, 21.6121, 31.7110

Trichromacy



Original Color

12.6221, 21.6150, 10.3443

Protanomaly

15.5205, 20.5213, 9.2739

Deuteranomaly

16.3743, 20.3225, 10.6490

Tritanomaly

14.9012, 21.4156, 21.7606

Monochromacy



Original Color

12.6221, 21.6150, 10.3443

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

12.8172, 16.6949, 13.6132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6221, 21.6150, 10.3443 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(44, 146, 76)` looks like.

```
.text, #text, p{  
    color:rgb(44, 146, 76)  
}
```

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(44, 146, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 146, 76) }
```

Border

The CSS property to change the border of an element to XYZ 12.6221, 21.6150, 10.3443 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(44, 146, 76) }
```


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

```
.border{ border-color:rgb(44, 146, 76) }
```

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

Here you see how a box with a 4 pixel rgb(44, 146, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 146, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 146, 76);  
box-shadow:4px 4px 4px 4px rgb(44, 146,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6221, 21.6150, 10.3443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 146, 76) }
```

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

```
.background{ background-color: rgb(44, 146,  
76) }
```

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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