

Converting Colors

XYZ(12.6339, 21.0492, 15.6292)

Have a look what the booklet for
XYZ(12.6339, 21.0492, 15.6292)
contains.

XYZ(12.6531, 21.0567, 15.7094)	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(12.6531, 21.0567,
15.7094)**

Conversions

Conversions Part 1

Format	Color
Hex	169065
RGB	22, 144, 101
RGB Percent	9%, 56%, 40%
CMY	0.9137, 0.4353, 0.6039
CMYK	0.85, 0.00, 0.30, 0.44
HSL	159°, 73%, 33%
HSV	159°, 85%, 56%
XYZ	12.6531, 21.0567, 15.7094
YIQ	102.6200, -58.9090, -39.2370

Conversions

Conversions Part 2

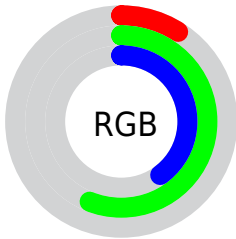
Format	Color
RYB	22, 96, 144
Decimal	1478757
CIELab	53.01, -42.16, 14.09
CIELCh	53, 44.452, 161.522
Yxy	21.0567, 0.2560, 0.4261
Android (android.graphics.Color)	4279668837 (0xFF169065)
YUV	102.6200, -0.7987, -70.7037
Hunter-Lab	45.8876, -31.0834, 11.8236

Details

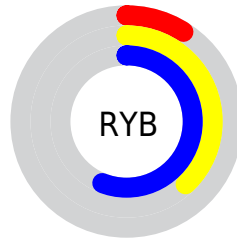
The XYZ color **12.6531, 21.0567, 15.7094** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.7433, 6.8852, 5.6592**, and the grayscale version is **12.8057, 13.4726, 14.6716**.

A 20% lighter version of the original color is **30.3074, 45.2875, 36.8498**, and **4.4930, 7.9206, 4.7821** is the 20% darker color. If you saturate the color by 10%, you get **12.1767, 20.8395, 14.4291**, and if you desaturate by 10%, it is **13.3210, 21.3719, 17.0798**.

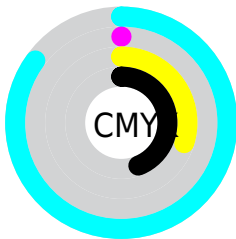
Distribution



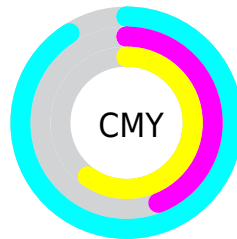
- Red (9%)
- Green (56%)
- Blue (40%)



- Red (9%)
- Yellow (38%)
- Blue (56%)



- Cyan (85%)
- Magenta (0%)
- Yellow (30%)
- Black (44%)



- Cyan (91%)
- Magenta (44%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6531, 21.0567, 15.7094 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 12.6531, 21.0567, 15.7094 by changing the saturation by 10% instead.

■ 12.6531, 21.0567,
15.7094

■ 12.6531, 21.0567,
15.7094

202.3652,
257.5797, 239.4077

■ 7.2655, 13.1655,
9.1666

■ 30.2858, 45.1819,
36.8527

■ 3.6765, 7.5426,
4.7517

■ 43.2615, 62.1846,
52.2903

■ 1.5208, 3.8037,
2.0462

■ 59.4974, 82.9933,
71.5300

■ 0.3399, 1.5644,
0.5834

■ 79.3586, 107.9923,
94.9902

■ 0.0000, 0.3334,
0.0000

■ 103.2107,
137.5660, 123.0896

■ 0.0000, 0.0000,
0.0000

■ 131.4189,

172.0989, 156.2466

164.3486,
211.9753, 194.8797

■ 12.6531, 21.0567,
15.7094

■ 12.6531, 21.0567,
15.7094

■ 12.1767, 20.8395,
14.4291

■ 13.3210, 21.3719,
17.0798

■ 11.9603, 20.7420,
13.7862

■ 14.2068, 21.7971,
18.5416

■ 15.3330, 22.3444,
20.0976

■ 16.7186, 23.0236,
21.7500

■ 18.3808, 23.8435,
23.5010

■ 20.3352, 24.8120,
25.3525

■ 22.5962, 25.9367,
27.3064

■ 25.1771, 27.2244,
29.3647

■ 28.0907, 28.6815,
31.5290

Harmonies

Analogous

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



14.6356, 21.0567, 8.5680



12.6531, 21.0567, 15.7094



12.4467, 21.0567, 28.4525

Triad

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



12.6531, 21.0567, 15.7094



21.8600, 21.0567, 58.4468



27.5109, 21.0567, 9.7633

Complementary

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



12.6531, 21.0567, 15.7094



12.7433, 6.8852, 5.6592

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.



30.1554, 21.0567, 18.1679



12.6531, 21.0567, 15.7094



26.5703, 21.0567, 48.0486

Square

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



12.6531, 21.0567, 15.7094



17.3027, 21.0567, 56.9541



29.7866, 21.0567, 32.0735



22.9942, 21.0567, 6.1714

Rectangle

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



12.6531, 21.0567, 15.7094



13.2983, 21.0567, 39.1569



29.7866, 21.0567, 32.0735



28.6778, 21.0567, 11.9457

Sweetspot

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



12.6537, 21.0575, 15.7099



35.5723, 43.6156, 44.4485



12.4153, 21.1893, 4.1949



7.8986, 9.8736, 9.9538



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.



12.6537, 21.0575, 15.7099



21.0134, 36.5502, 23.8880



13.0500, 17.5539, 29.0870



5.4806, 6.0845, 6.4968



10.4263, 18.0664, 12.0648



0.1102, 0.1769, 0.1706

Inverse Universe

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



12.7433, 6.8852, 5.6592



21.2582, 10.8467, 6.0678



12.3487, 7.3911, 1.5351



5.4825, 5.4535, 6.0388



10.5419, 5.3738, 3.2388



0.1105, 0.0553, 0.0823

Previews

White Background



This preview shows how the XYZ color 12.6531, 21.0567, 15.7094 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 12.6531, 21.0567, 15.7094 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 12.6531, 21.0567, 15.7094

Background



This preview shows how black text looks on a background with the XYZ color 12.6531, 21.0567, 15.7094.



This preview shows how white text looks on a background with the XYZ color 12.6531, 21.0567,

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

12.6531, 21.0567, 15.7094

Protanopia

19.4283, 20.8629, 13.3589

Deuteranopia

21.1159, 20.7351, 16.5250



Tritanopia

15.9295, 21.0769, 31.6625

Trichromacy



Original Color

12.6531, 21.0567, 15.7094



Protanomaly

15.1149, 19.9993, 14.1299



Deuteranomaly

15.6045, 19.4093, 16.0206



Tritanomaly

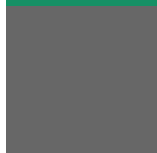
14.4574, 20.8935, 25.1007

Monochromacy



Original Color

12.6531, 21.0567, 15.7094



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

11.7007, 15.3720, 14.9208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6531, 21.0567, 15.7094 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(22, 144, 101)` looks like.

```
.text, #text, p{  
    color:rgb(22, 144, 101)  
}
```

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(22, 144, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 144, 101) }
```

Border

The CSS property to change the border of an element to XYZ 12.6531, 21.0567, 15.7094 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(22, 144, 101) }
```


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

```
.border{ border-color:rgb(22, 144, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 144, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 144, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 144, 101);  
box-shadow:4px 4px 4px 4px rgb(22, 144,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6531, 21.0567, 15.7094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 144, 101) }
```

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

```
.background{ background-color: rgb(22, 144,  
101) }
```

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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