

Converting Colors

XYZ(21.0022, 15.1728, 2.4059)

Have a look what the booklet for
XYZ(21.0022, 15.1728, 2.4059)
contains.

XYZ(20.9561, 15.1586, 2.3937)	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(20.9561, 15.1586,
2.3937)**

Conversions

Conversions Part 1

Format	Color
Hex	B05112
RGB	176, 81, 18
RGB Percent	69%, 32%, 7%
CMY	0.3098, 0.6823, 0.9294
CMYK	0.00, 0.54, 0.90, 0.31
HSL	24°, 81%, 38%
HSV	24°, 90%, 69%
XYZ	20.9561, 15.1586, 2.3937
YIQ	102.2230, 76.8430, 0.5470

Conversions

Conversions Part 2

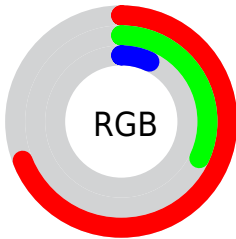
Format	Color
R_{YB}	176, 123, 18
Decimal	11555090
CIE _{Lab}	45.85, 35.46, 50.61
CIE _{LCh}	46, 61.799, 54.982
Yxy	15.1586, 0.5442, 0.3936
Android (android.graphics.Color)	4289745170 (0xFFB05112)
YUV	102.2230, -41.5219, 64.7024
Hunter-Lab	38.9340, 27.9424, 23.6086

Details

The XYZ color **20.9561, 15.1586, 2.3937** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **13.9907, 15.0728, 43.2459**, and the grayscale version is **12.7795, 13.4450, 14.6416**.

A 20% lighter version of the original color is **44.5853, 35.1093, 10.0571**, and **7.6924, 4.6930, 0.5004** is the 20% darker color. If you saturate the color by 10%, you get **20.1233, 13.6645, 1.5885**, and if you desaturate by 10%, it is **22.0083, 16.9380, 3.7469**.

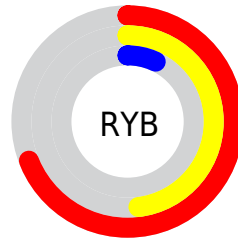
Distribution



Red (69%)

Green (32%)

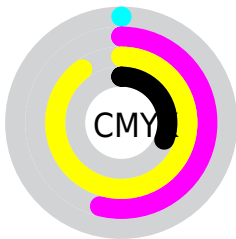
Blue (7%)



Red (69%)

Yellow (48%)

Blue (7%)

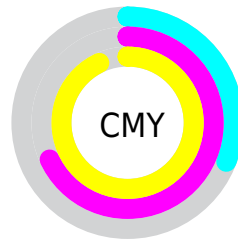


Cyan (0%)

Magenta (54%)

Yellow (90%)

Black (31%)



Cyan (31%)

Magenta (68%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9561, 15.1586, 2.3937 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 20.9561, 15.1586, 2.3937 by changing the saturation by 10% instead.

■ 20.9561, 15.1586,
2.3937

■ 20.9561, 15.1586,
2.3937

249.7812,
224.3242, 128.2184

■ 13.2042, 8.9308,
0.7830

■ 44.5063, 35.1312,
10.0916

■ 7.6473, 4.6961,
0.0000

■ 61.0353, 49.6447,
17.0271

■ 3.9200, 2.0701,
0.0000

■ 81.2207, 67.6889,
26.5782

■ 1.6570, 0.6477,
0.0000

■ 105.4278, 89.6482,
39.1636

■ 0.4291, 0.0000,
0.0000


■ 134.0221,
115.9070, 55.2017


■ 0.0000, 0.0000,
0.0000


■ 167.3689,


146.8497, 75.1112


 205.8335,
182.8606, 99.3106


 20.9561, 15.1586,
2.3937


 20.9561, 15.1586,
2.3937


 20.1233, 13.6645,
1.5885


 22.0083, 16.9380,
3.7469

 20.1059, 13.6331,
1.5718

 23.3197, 19.0250,
5.8359

 24.9128, 21.4373,
8.7530

 26.8069, 24.1900,
12.5766

 29.0194, 27.2974,
17.3760

■ 31.5660, 30.7725,
23.2134

■ 34.4616, 34.6280,
30.1461

■ 37.7198, 38.8755,
38.2270

■ 41.3536, 43.5263,
47.5055

Harmonies

Analogous

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



25.5319, 15.1586, 7.1104



20.9561, 15.1586, 2.3937



15.3021, 15.1586, 1.2466

Triad

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



20.9561, 15.1586, 2.3937



6.5541, 15.1586, 14.1201



19.0671, 15.1586, 58.5714

Complementary

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



20.9561, 15.1586, 2.3937



13.9907, 15.0728, 43.2459

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.



13.5490, 15.1586, 64.7680



20.9561, 15.1586, 2.3937



7.1004, 15.1586, 31.8319

Square

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



20.9561, 15.1586, 2.3937



7.6613, 15.1586, 4.9077



9.3891, 15.1586, 52.9235



24.2698, 15.1586, 39.0544

Rectangle

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



20.9561, 15.1586, 2.3937



11.9698, 15.1586, 1.4077



9.3891, 15.1586, 52.9235



17.1563, 15.1586, 62.6388

Sweetspot

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



20.9564, 15.1594, 2.3940



58.4008, 57.3568, 44.8120



21.2403, 10.9106, 17.3375



12.2993, 11.9497, 8.8717



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.9564, 15.1594, 2.3940



36.2582, 24.3109, 2.7815



30.1666, 33.5798, 5.4640



8.7652, 9.0429, 8.9360



14.8062, 10.1109, 1.1712



0.5237, 0.4338, 0.0561

Inverse Universe

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



13.9907, 15.0728, 43.2459



23.2991, 23.8577, 77.8723



8.7301, 4.5515, 41.4924



8.4526, 9.0515, 10.8079



9.5760, 9.9524, 31.5533



0.3565, 0.4235, 1.0112

Previews

White Background



This preview shows how the XYZ color 20.9561, 15.1586, 2.3937 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 20.9561, 15.1586, 2.3937 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 20.9561, 15.1586, 2.3937

Background



This preview shows how black text looks on a background with the XYZ color 20.9561, 15.1586, 2.3937.



This preview shows how white text looks on a background with the XYZ color 20.9561, 15.1586,

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

20.9561, 15.1586, 2.3937

Protanopia

13.9308, 15.4374, 3.2228

Deuteranopia

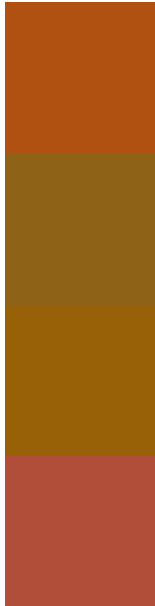
15.4315, 15.3039, 2.1406



Tritanopia

22.4297, 15.2279, 9.5417

Trichromacy



Original Color

20.9561, 15.1586, 2.3937

Protanomaly

15.7718, 14.7363, 2.8237

Deuteranomaly

17.1701, 15.0565, 2.2022

Tritanomaly

21.6196, 15.1014, 5.7784

Monochromacy



Original Color

20.9561, 15.1586, 2.3937

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.1933, 13.1275, 7.7470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9561, 15.1586, 2.3937 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(176, 81, 18)` looks like.

```
.text, #text, p{  
    color:rgb(176, 81, 18)  
}
```

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(176, 81, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 81, 18) }
```

Border

The CSS property to change the border of an element to XYZ 20.9561, 15.1586, 2.3937 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(176, 81, 18) }
```


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

```
.border{ border-color:rgb(176, 81, 18) }
```

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

Here you see how a box with a 4 pixel rgb(176, 81, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 81, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 81, 18);  
box-shadow:4px 4px 4px 4px rgb(176, 81,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9561, 15.1586, 2.3937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 81, 18) }
```

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

```
.background{ background-color: rgb(176, 81,  
18) }
```

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