

Converting Colors

XYZ(20.2542, 13.2873, 3.1103)

Have a look what the booklet for
XYZ(20.2542, 13.2873, 3.1103)
contains.

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Color

**XYZ(20.1561, 13.2479,
3.0849)**

Conversions

Conversions Part 1

Format	Color
Hex	B04223
RGB	176, 66, 35
RGB Percent	69%, 26%, 14%
CMY	0.3098, 0.7411, 0.8627
CMYK	0.00, 0.62, 0.80, 0.31
HSL	13°, 67%, 41%
HSV	13°, 80%, 69%
XYZ	20.1561, 13.2479, 3.0849
YIQ	95.3560, 75.5110, 13.6790

Conversions

Conversions Part 2

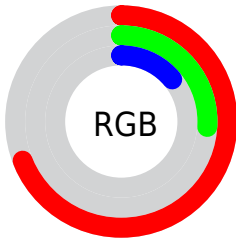
Format	Color
R_{YB}	176, 75, 35
Decimal	11551267
CIE _{Lab}	43.13, 43.28, 40.98
CIE _{LCh}	43, 59.604, 43.442
Yxy	13.2479, 0.5524, 0.3631
Android (android.graphics.Color)	4289741347 (0xFFB04223)
YUV	95.3560, -29.7555, 70.7248
Hunter-Lab	36.3977, 35.1528, 20.4532

Details

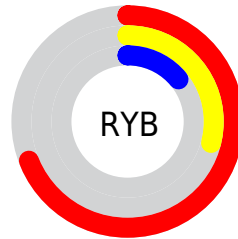
The XYZ color **20.1561, 13.2479, 3.0849** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **18.6541, 23.7408, 44.6733**, and the grayscale version is **11.0199, 11.5938, 12.6256**.

A 20% lighter version of the original color is **43.2613, 31.7432, 11.8296**, and **7.2676, 3.8433, 0.3588** is the 20% darker color. If you saturate the color by 10%, you get **19.2491, 11.7526, 1.8009**, and if you desaturate by 10%, it is **21.3873, 15.1823, 5.1235**.

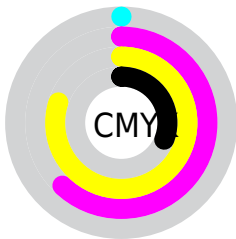
Distribution



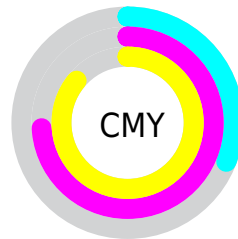
- Red (69%)
- Green (26%)
- Blue (14%)



- Red (69%)
- Yellow (29%)
- Blue (14%)



- Cyan (0%)
- Magenta (62%)
- Yellow (80%)
- Black (31%)





- Cyan (31%)
- Magenta (74%)
- Yellow (86%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1561, 13.2479, 3.0849 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 20.1561, 13.2479, 3.0849 by changing the saturation by 10% instead.


 20.1561, 13.2479,
3.0849


 20.1561, 13.2479,
3.0849


245.5764,
212.5004, 137.4347


 12.6175, 7.5995,
1.1381


 43.1807, 31.7484,
11.8372


 7.2409, 3.8397,
0.0000


 59.3974, 45.3693,
19.4799

 3.6608, 1.5843,
0.0000

 79.2375, 62.4165,
29.8582

 1.5121, 0.3470,
0.0000

 103.0663, 83.2744,
43.3909

 0.3341, 0.0000,
0.0000

 131.2493,
108.3273, 60.4963

 0.0000, 0.0000,
0.0000

 164.1517,

137.9596, 81.5930

202.1390,
172.5559, 107.0997

20.1561, 13.2479,
3.0849

20.1561, 13.2479,
3.0849

19.2491, 11.7526,
1.8009

21.3873, 15.1823,
5.1235

18.6202, 10.6616,
1.0765

22.9717, 17.5856,
8.0114

24.9358, 20.4877,
11.8297

27.3032, 23.9150,
16.6500

30.0956, 27.8921,
22.5368

■ 33.3329, 32.4422,
29.5491

■ 37.0339, 37.5868,
37.7417

■ 41.2161, 43.3466,
47.1656

■ 45.8962, 49.7410,
57.8689

Harmonies

Analogous

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



23.2854, 13.2479, 9.3069



20.1561, 13.2479, 3.0849



15.2807, 13.2479, 1.2257

Triad

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



20.1561, 13.2479, 3.0849



5.8807, 13.2479, 8.3494



14.7588, 13.2479, 55.6722

Complementary

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



20.1561, 13.2479, 3.0849



18.6541, 23.7408, 44.6733

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.



10.2383, 13.2479, 54.8006



20.1561, 13.2479, 3.0849



5.8061, 13.2479, 21.1408

Square

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



20.1561, 13.2479, 3.0849



7.4420, 13.2479, 2.7499



7.2053, 13.2479, 39.7501



19.6948, 13.2479, 41.6933

Rectangle

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



20.1561, 13.2479, 3.0849



12.0688, 13.2479, 1.0418



7.2053, 13.2479, 39.7501



13.1295, 13.2479, 57.2803

Sweetspot

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



20.1564, 13.2487, 3.0851



57.8251, 55.1552, 47.8577



23.6510, 12.4904, 28.1347



12.0953, 11.3390, 9.4290



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.



20.1564, 13.2487, 3.0851



34.0176, 19.7493, 2.2827



27.0190, 26.9738, 5.3726



8.6429, 8.7983, 8.8952



13.6988, 7.8962, 0.8021



0.4742, 0.3348, 0.0396

Inverse Universe

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



18.6541, 23.7408, 44.6733



30.8620, 38.8130, 80.3604



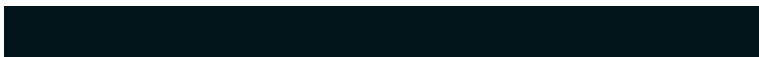
11.0424, 8.5174, 42.1360



8.5810, 9.3082, 10.8507



12.3889, 15.5783, 32.4909



0.4292, 0.5689, 1.0354

Previews

White Background



This preview shows how the XYZ color 20.1561, 13.2479, 3.0849 looks on a white background.

Color Contrast Check

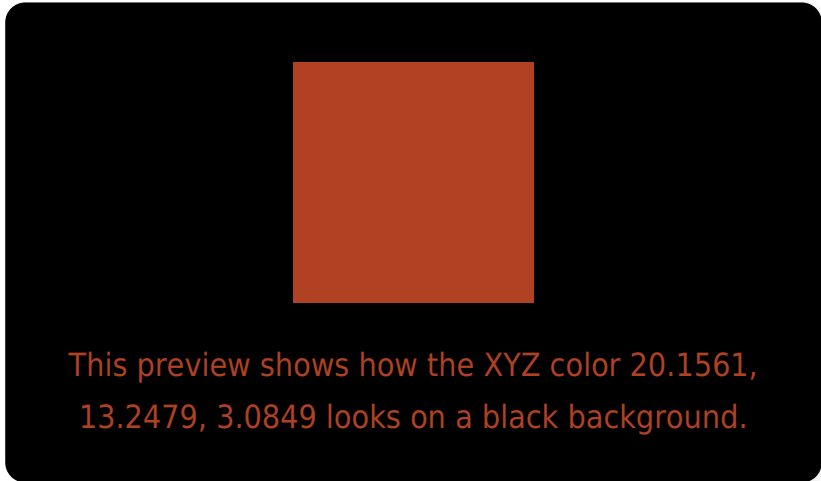
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 20.1561, 13.2479, 3.0849

Background



This preview shows how black text looks on a background with the XYZ color 20.1561, 13.2479, 3.0849.



This preview shows how white text looks on a background with the XYZ color 20.1561, 13.2479,

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

20.1561, 13.2479, 3.0849

Protanopia

12.2633, 13.4674, 4.4357

Deuteranopia

13.5034, 13.2867, 2.7726



Tritanopia

20.8375, 13.1857, 6.6011

Trichromacy



Original Color

20.1561, 13.2479, 3.0849

Protanomaly

14.3729, 12.7908, 3.8092

Deuteranomaly

15.4036, 12.8553, 2.8319

Tritanomaly

20.5986, 13.1780, 5.0724

Monochromacy



Original Color

20.1561, 13.2479, 3.0849

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

12.6851, 11.1068, 7.7786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1561, 13.2479, 3.0849 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, 66, 35)` looks like.

```
.text, #text, p{  
    color:rgb(176, 66, 35)  
}
```

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, 66, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 66, 35) }
```

Border

The CSS property to change the border of an element to XYZ 20.1561, 13.2479, 3.0849 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, 66, 35) }
```


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

```
.border{ border-color:rgb(176, 66, 35) }
```

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

Here you see how a box with a 4 pixel rgb(176, 66, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 66, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 66, 35);  
box-shadow:4px 4px 4px 4px rgb(176, 66,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1561, 13.2479, 3.0849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 66, 35) }
```

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

```
.background{ background-color: rgb(176, 66,  
35) }
```

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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