

Converting Colors

XYZ(20.7031, 12.1925, 9.7238)

Have a look what the booklet for
XYZ(20.7031, 12.1925, 9.7238)
contains.

XYZ(20.6453, 12.1514, 9.6448)	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(20.6453, 12.1514,
9.6448)**

Conversions

Conversions Part 1

Format	Color
Hex	B03254
RGB	176, 50, 84
RGB Percent	69%, 20%, 33%
CMY	0.3098, 0.8039, 0.6706
CMYK	0.00, 0.72, 0.52, 0.31
HSL	344°, 56%, 44%
HSV	344°, 72%, 69%
XYZ	20.6453, 12.1514, 9.6448
YIQ	91.5500, 64.1820, 37.2860

Conversions

Conversions Part 2

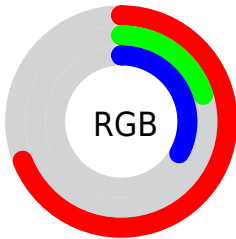
Format	Color
R_{YB}	176, 50, 84
Decimal	11547220
CIE _{Lab}	41.46, 52.91, 9.91
CIE _{LCh}	41, 53.825, 10.607
Yxy	12.1514, 0.4864, 0.2863
Android (android.graphics.Color)	4289737300 (0xFFB03254)
YUV	91.5500, -3.7221, 74.0627
Hunter-Lab	34.8589, 44.7143, 7.9968

Details

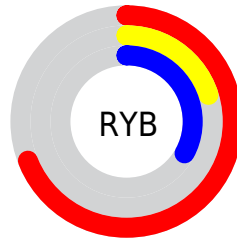
The XYZ color **20.6453, 12.1514, 9.6448** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **21.7241, 33.6821, 30.9506**, and the grayscale version is **10.0681, 10.5924, 11.5351**.

A 20% lighter version of the original color is **43.9797, 29.8344, 25.6309**, and **7.8542, 4.0048, 2.3665** is the 20% darker color. If you saturate the color by 10%, you get **19.5741, 10.7421, 7.0280**, and if you desaturate by 10%, it is **22.0987, 14.1774, 12.8449**.

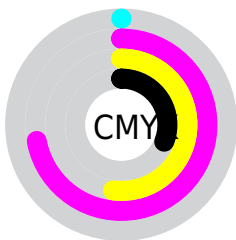
Distribution



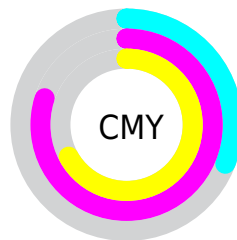
- Red (69%)
- Green (20%)
- Blue (33%)



- Red (69%)
- Yellow (20%)
- Blue (33%)



- Cyan (0%)
- Magenta (72%)
- Yellow (52%)
- Black (31%)





- Cyan (31%)
- Magenta (80%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6453, 12.1514, 9.6448 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 20.6453, 12.1514, 9.6448 by changing the saturation by 10% instead.


 20.6453, 12.1514,
9.6448


 20.6453, 12.1514,
9.6448


248.1549,
205.4050, 198.5096


 12.9760, 6.8469,
5.0616


 43.9922, 29.7706,
25.7225


 7.4889, 3.3665,
2.2241


 60.4005, 42.8540,
38.0541

 3.8187, 1.3259,
0.6882

 80.4524, 59.2991,
53.8055

 1.6001, 0.1612,
0.0000

 104.5134, 79.4904,
73.3954

 0.3925, 0.0000,
0.0000

 132.9488,
103.8123, 97.2422

 0.0000, 0.0000,
0.0000

 166.1240,

132.6491, 125.7644

204.4042,
166.3852, 159.3808

■ 20.6453, 12.1514,
9.6448

■ 20.6453, 12.1514,
9.6448

■ 19.5741, 10.7421,
7.0280

■ 22.0987, 14.1774,
12.8449

■ 18.8438, 9.8748,
4.9556

■ 23.9677, 16.8793,
16.6621

■ 18.4273, 9.4392,
3.5915

■ 26.2830, 20.3114,
21.1284

■ 29.0720, 24.5222,
26.2730

■ 32.3598, 29.5557,
32.1235

■ 36.1699, 35.4528,
38.7057

■ 40.5241, 42.2516,
46.0442

■ 45.4430, 49.9879,
54.1623

■ 50.9461, 58.6956,
63.0825

Harmonies

Analogous

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



20.2086, 12.1514, 21.7618



20.6453, 12.1514, 9.6448



18.2620, 12.1514, 3.5727

Triad

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



20.6453, 12.1514, 9.6448



7.3088, 12.1514, 2.6828



9.2251, 12.1514, 45.7819

Complementary

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



20.6453, 12.1514, 9.6448



21.7241, 33.6821, 30.9506

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.



6.7238, 12.1514, 32.8175



20.6453, 12.1514, 9.6448



5.8030, 12.1514, 7.2838

Square

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



20.6453, 12.1514, 9.6448



10.2181, 12.1514, 1.3383



5.6163, 12.1514, 17.6109



12.9919, 12.1514, 47.7663

Rectangle

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



20.6453, 12.1514, 9.6448



15.6538, 12.1514, 1.9320



5.6163, 12.1514, 17.6109



8.2338, 12.1514, 42.3210

Sweetspot

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



20.6456, 12.1521, 9.6450



58.8311, 53.8212, 58.5081



19.8436, 11.0182, 42.1549



12.3817, 11.0981, 12.0328



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.



20.6456, 12.1521, 9.6450



34.6477, 18.4423, 10.4072



21.1557, 14.8112, 4.7624



8.5874, 8.5417, 9.3258



13.5420, 6.9344, 2.7481



0.4510, 0.2282, 0.2178

Inverse Universe

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



20.6456, 12.1521, 9.6450



34.6477, 18.4423, 10.4072



19.8525, 25.2135, 44.8944



8.5874, 8.5417, 9.3258



13.5420, 6.9344, 2.7481



0.4510, 0.2282, 0.2178

Previews

White Background



This preview shows how the XYZ color 20.6453, 12.1514, 9.6448 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 20.6453, 12.1514, 9.6448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

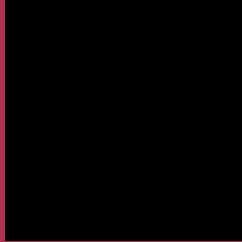
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6453, 12.1514, 9.6448

Background



This preview shows how black text looks on a background with the XYZ color 20.6453, 12.1514, 9.6448.



This preview shows how white text looks on a background with the XYZ color 20.6453, 12.1514,

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

20.6453, 12.1514, 9.6448

Protanopia

12.0578, 12.3809, 16.2222

Deuteranopia

12.5376, 12.3793, 8.9364



Tritanopia

19.8571, 12.2478, 5.3205

Trichromacy



Original Color

20.6453, 12.1514, 9.6448

Protanomaly

13.8469, 11.2406, 13.4964

Deuteranomaly

14.5605, 11.4895, 9.0397

Tritanomaly

20.0115, 12.1575, 6.6021

Monochromacy



Original Color

20.6453, 12.1514, 9.6448

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.6254, 10.2400, 10.7623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6453, 12.1514, 9.6448 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, 50, 84)` looks like.

```
.text, #text, p{  
    color:rgb(176, 50, 84)  
}
```

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, 50, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 50, 84) }
```

Border

The CSS property to change the border of an element to XYZ 20.6453, 12.1514, 9.6448 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, 50, 84) }
```


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

```
.border{ border-color:rgb(176, 50, 84) }
```

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

Here you see how a box with a 4 pixel rgb(176, 50, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 50, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 50, 84);  
box-shadow:4px 4px 4px 4px rgb(176, 50,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6453, 12.1514, 9.6448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 50, 84) }
```

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

```
.background{ background-color: rgb(176, 50,  
84) }
```

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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