

Converting Colors

XYZ(20.2505, 11.7392, 21.9674)

Have a look what the booklet for
XYZ(20.2505, 11.7392, 21.9674)
contains.

XYZ(20.2505, 11.7392, 21.9674)	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(20.2505, 11.7392,
21.9674)**

Conversions

Conversions Part 1

Format	Color
Hex	A33381
RGB	163, 51, 129
RGB Percent	64%, 20%, 51%
CMY	0.3608, 0.8000, 0.4941
CMYK	0.00, 0.69, 0.21, 0.36
HSL	318°, 52%, 42%
HSV	318°, 69%, 64%
XYZ	20.2505, 11.7392, 21.9674
YIQ	93.3800, 41.7140, 48.0020

Conversions

Conversions Part 2

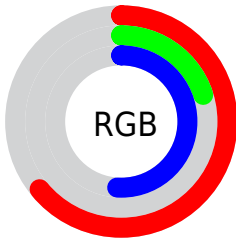
Format	Color
R_{YB}	163, 51, 129
Decimal	10695553
CIE _{Lab}	40.80, 53.81, -19.37
CIE _{LCh}	41, 57.191, 340.200
Yxy	11.7392, 0.3753, 0.2176
Android (android.graphics.Color)	4288885633 (0xFFA33381)
YUV	93.3800, 17.5607, 61.0567
Hunter-Lab	34.2625, 45.5411, -14.0300

Details

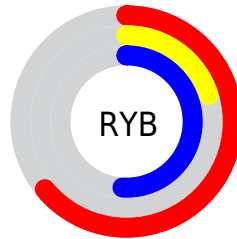
The XYZ color **20.2505, 11.7392, 21.9674** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **16.1028, 27.5544, 13.0656**, and the grayscale version is **10.4474, 10.9914, 11.9697**.

A 20% lighter version of the original color is **43.4163, 29.0576, 47.5764**, and **7.6323, 3.7673, 7.9143** is the 20% darker color. If you saturate the color by 10%, you get **19.3381, 10.4280, 20.0795**, and if you desaturate by 10%, it is **21.4292, 13.5573, 24.0229**.

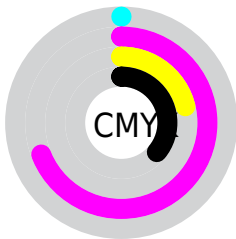
Distribution



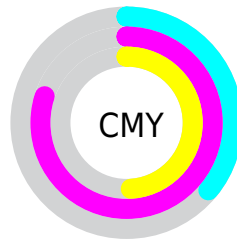
- Red (64%)
- Green (20%)
- Blue (51%)



- Red (64%)
- Yellow (20%)
- Blue (51%)



- Cyan (0%)
- Magenta (69%)
- Yellow (21%)
- Black (36%)



- Cyan (36%)
- Magenta (80%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2505, 11.7392, 21.9674 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 20.2505, 11.7392, 21.9674 by changing the saturation by 10% instead.

20.2505, 11.7392,
21.9674

20.2505, 11.7392,
21.9674

246.0758,
202.6710, 275.3239

12.6866, 6.5664,
13.6349

43.3375, 29.0192,
47.5936

7.2886, 3.1924,
7.7313

59.5913, 41.8952,
65.7244

3.6912, 1.2330,
3.8382

79.4725, 58.1076,
87.9583

1.5289, 0.0884,
1.5370

103.3463, 78.0409,
114.7139

0.3454, 0.0000,
0.2453

131.5782,
102.0795, 146.4097

0.0000, 0.0000,
0.0000

164.5335,

130.6078, 183.4643

202.5776,
164.0102, 226.2962

■ 20.2505, 11.7392,
21.9674

■ 20.2505, 11.7392,
21.9674

■ 19.3381, 10.4280,
20.0795

■ 21.4292, 13.5573,
24.0229

■ 18.6632, 9.5669,
18.3482

■ 22.8969, 15.9274,
26.2542

■ 18.1732, 9.0507,
16.7549

■ 24.6748, 18.8920,
28.6698

■ 18.1140, 8.9904,
16.5559

■ 26.7820, 22.4885,
31.2769

■ 29.2358, 26.7515,
34.0823

■ 32.0525, 31.7129,
37.0925

■ 35.2471, 37.4028,
40.3134

■ 38.8339, 43.8492,
43.7508

■ 42.8264, 51.0789,
47.4101

Harmonies

Analogous

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



17.0042, 11.7392, 38.6510



20.2505, 11.7392, 21.9674



20.7586, 11.7392, 9.2122

Triad

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



20.2505, 11.7392, 21.9674



9.8295, 11.7392, 0.9827



6.1875, 11.7392, 33.3701

Complementary

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



20.2505, 11.7392, 21.9674



16.1028, 27.5544, 13.0656

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.



5.0956, 11.7392, 17.1720



20.2505, 11.7392, 21.9674



6.8334, 11.7392, 2.1726

Square

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



20.2505, 11.7392, 21.9674



14.0216, 11.7392, 1.1688



5.2991, 11.7392, 6.5979



8.7131, 11.7392, 47.5510

Rectangle

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



20.2505, 11.7392, 21.9674



19.3722, 11.7392, 4.5023



5.2991, 11.7392, 6.5979



5.6722, 11.7392, 27.6802

Sweetspot

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



20.2509, 11.7398, 21.9676



51.1177, 45.7416, 59.6556



11.5055, 6.9255, 35.3807



11.2187, 9.8173, 13.1009



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.2509, 11.7398, 21.9676



34.0014, 17.8394, 34.4345



17.5045, 10.6412, 7.5054



7.2723, 7.1654, 8.4203



14.0988, 6.9956, 12.9765



0.3157, 0.1548, 0.3750

Inverse Universe

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



20.2509, 11.7398, 21.9676



34.0014, 17.8394, 34.4345



19.2409, 28.8097, 29.5908



7.2723, 7.1654, 8.4203



14.0988, 6.9956, 12.9765



0.3157, 0.1548, 0.3750

Previews

White Background



This preview shows how the XYZ color 20.2505, 11.7392, 21.9674 looks on a white background.

Color Contrast Check

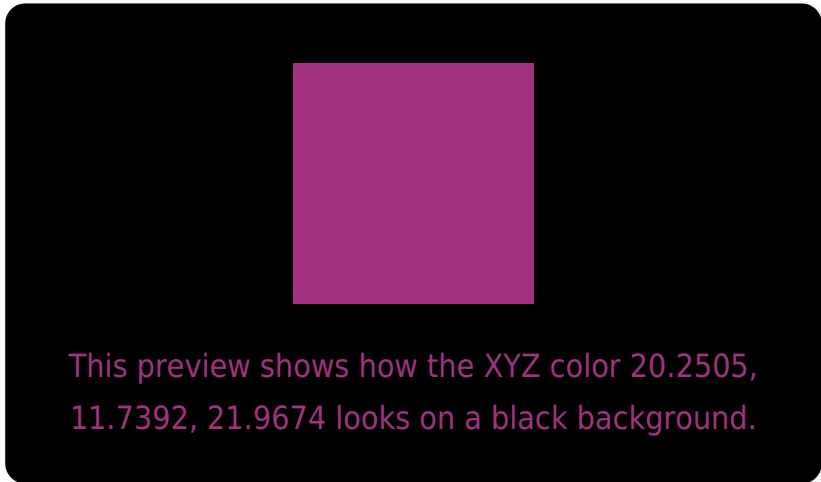
Large Text (above 18pt) WCAG AA ✓ Pass

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

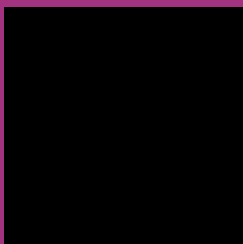
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.2505, 11.7392, 21.9674

Background



This preview shows how black text looks on a background with the XYZ color 20.2505, 11.7392, 21.9674.



This preview shows how white text looks on a background with the XYZ color 20.2505, 11.7392,

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

20.2505, 11.7392, 21.9674

Protanopia

13.1769, 12.0937, 36.7618

Deuteranopia

12.1816, 11.9416, 20.4018



Tritanopia

17.2774, 11.7513, 7.4885

Trichromacy



Original Color

20.2505, 11.7392, 21.9674

Protanomaly

13.9754, 10.7099, 30.6088

Deuteranomaly

13.9689, 10.9242, 20.7744

Tritanomaly

18.1417, 11.6014, 11.6390

Monochromacy



Original Color

20.2505, 11.7392, 21.9674

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.7971, 10.3409, 14.9572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2505, 11.7392, 21.9674 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(163, 51, 129)` looks like.

```
.text, #text, p{  
    color:rgb(163, 51, 129)  
}
```

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(163, 51, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 51, 129) }
```

Border

The CSS property to change the border of an element to XYZ 20.2505, 11.7392, 21.9674 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(163, 51, 129) }
```


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

```
.border{ border-color:rgb(163, 51, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 51, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 51, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 51, 129); box-shadow:4px 4px 4px 4px rgb(163, 51, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2505, 11.7392, 21.9674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 51, 129) }
```

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

```
.background{ background-color: rgb(163, 51,  
129) }
```

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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