

Converting Colors

XYZ(20.3607, 11.0590, 16.9331)

Have a look what the booklet for
XYZ(20.3607, 11.0590, 16.9331)
contains.

XYZ(20.4329, 11.0749, 16.9803)	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(20.4329, 11.0749,
16.9803)**

Conversions

Conversions Part 1

Format	Color
Hex	AB2372
RGB	171, 35, 114
RGB Percent	67%, 14%, 45%
CMY	0.3294, 0.8627, 0.5529
CMYK	0.00, 0.80, 0.33, 0.33
HSL	325°, 66%, 40%
HSV	325°, 80%, 67%
XYZ	20.4329, 11.0749, 16.9803
YIQ	84.6700, 55.6970, 53.4010

Conversions

Conversions Part 2

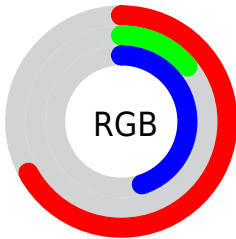
Format	Color
R_{YB}	171, 35, 114
Decimal	11215730
CIE Lab	39.71, 59.41, -11.61
CIE LCh	40, 60.535, 348.945
Yxy	11.0749, 0.4214, 0.2284
Android (android.graphics.Color)	4289405810 (0xFFAB2372)
YUV	84.6700, 14.4597, 75.7114
Hunter-Lab	33.2790, 51.3587, -6.9569

Details

The XYZ color **20.4329, 11.0749, 16.9803** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **17.1886, 30.2563, 15.0616**, and the grayscale version is **8.5294, 8.9736, 9.7722**.

A 20% lighter version of the original color is **43.6083, 27.7606, 39.1363**, and **7.9228, 3.9708, 5.5031** is the 20% darker color. If you saturate the color by 10%, you get **19.6545, 10.1457, 14.7862**, and if you desaturate by 10%, it is **21.4890, 12.5083, 19.4249**.

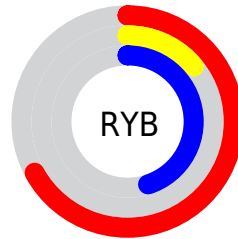
Distribution



Red (67%)

Green (14%)

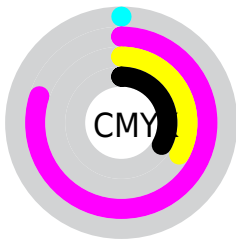
Blue (45%)



Red (67%)

Yellow (14%)

Blue (45%)

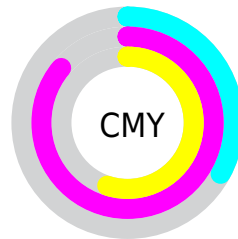


Cyan (0%)

Magenta (80%)

Yellow (33%)

Black (33%)



Cyan (33%)


Magenta (86%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4329, 11.0749, 16.9803 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 20.4329, 11.0749, 16.9803 by changing the saturation by 10% instead.


 20.4329, 11.0749,
16.9803


 20.4329, 11.0749,
16.9803


247.0383,
198.1807, 247.0989


 12.8202, 6.1172,
10.0586


 43.6402, 27.7986,
39.0821


 7.3810, 2.9165,
5.3317


 59.9655, 40.3334,
55.0993


 3.7499, 1.0883,
2.3811

 79.9258, 56.1627,
74.9854

 1.5617, 0.0000,
0.7761

 103.8863, 75.6709,
99.1590

 0.3672, 0.0000,
0.0000

 132.2125, 99.2424,
128.0386

 0.0000, 0.0000,
0.0000

 165.2696,

127.2616, 162.0428

203.4231,
160.1129, 201.5901

■ 20.4329, 11.0749,
16.9803

■ 20.4329, 11.0749,
16.9803

■ 19.6545, 10.1457,
14.7862

■ 21.4890, 12.5083,
19.4249

■ 19.0875, 9.5892,
12.8167

■ 22.8541, 14.5074,
22.1336

■ 19.0624, 9.5651,
12.7278

■ 24.5559, 17.1266,
25.1191

■ 26.6187, 20.4134,
28.3929

■ 29.0645, 24.4106,
31.9654

■ 31.9135, 29.1577,
35.8464

■ 35.1842, 34.6908,
40.0451

■ 38.8941, 41.0440,
44.5704

■ 43.0598, 48.2492,
49.4304

Harmonies

Analogous

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



17.7436, 11.0749, 34.0882



20.4329, 11.0749, 16.9803



19.9948, 11.0749, 6.0675

Triad

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



20.4329, 11.0749, 16.9803



8.1473, 11.0749, 0.7833



6.1155, 11.0749, 38.7191

Complementary

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



20.4329, 11.0749, 16.9803



17.1886, 30.2563, 15.0616

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.



4.6491, 11.0749, 21.0795



20.4329, 11.0749, 16.9803



5.5918, 11.0749, 2.4272

Square

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



20.4329, 11.0749, 16.9803



12.1279, 11.0749, 0.6325



4.4866, 11.0749, 8.1938



9.0724, 11.0749, 51.1334

Rectangle

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



20.4329, 11.0749, 16.9803



18.0118, 11.0749, 2.6548



4.4866, 11.0749, 8.1938



5.4691, 11.0749, 32.8189

Sweetspot

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



20.4332, 11.0755, 16.9805



54.5639, 47.8838, 60.7245



12.3330, 6.4014, 39.1138



11.7828, 10.0383, 13.0114



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.4332, 11.0755, 16.9805



34.4681, 17.4550, 23.9286



17.8959, 10.0606, 3.6190



8.1929, 8.0904, 9.3268



14.3969, 7.2213, 9.7355



0.4270, 0.2115, 0.4104

Inverse Universe

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



20.4332, 11.0755, 16.9805



34.4681, 17.4550, 23.9286



21.5725, 32.0099, 38.1470



8.1929, 8.0904, 9.3268



14.3969, 7.2213, 9.7355



0.4270, 0.2115, 0.4104

Previews

White Background



This preview shows how the XYZ color 20.4329, 11.0749, 16.9803 looks on a white background.

Color Contrast Check

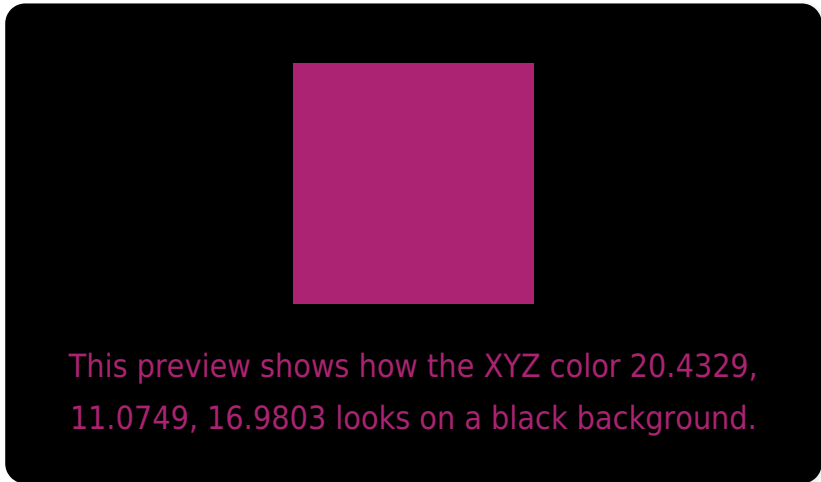
Large Text (above 18pt) WCAG AA ✓ Pass

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

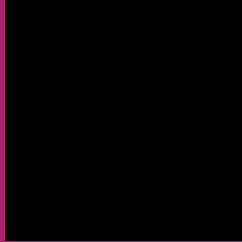
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.4329, 11.0749, 16.9803

Background



This preview shows how black text looks on a background with the XYZ color 20.4329, 11.0749, 16.9803.



This preview shows how white text looks on a background with the XYZ color 20.4329, 11.0749,

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

20.4329, 11.0749, 16.9803

Protanopia

12.3456, 11.5014, 32.1412

Deuteranopia

11.5180, 11.3125, 15.4864



Tritanopia

17.9940, 11.1492, 5.0745

Trichromacy



Original Color

20.4329, 11.0749, 16.9803

Protanomaly

13.0410, 9.6246, 25.5965

Deuteranomaly

13.5252, 9.9922, 15.9677

Tritanomaly

18.5401, 10.9079, 8.3360

Monochromacy



Original Color

20.4329, 11.0749, 16.9803

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

11.3209, 8.5718, 12.1242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4329, 11.0749, 16.9803 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(171, 35, 114)` looks like.

```
.text, #text, p{  
    color:rgb(171, 35, 114)  
}
```

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(171, 35, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 35, 114) }
```

Border

The CSS property to change the border of an element to XYZ 20.4329, 11.0749, 16.9803 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(171, 35, 114) }
```


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

```
.border{ border-color:rgb(171, 35, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 35, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 35, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 35, 114); box-shadow:4px 4px 4px 4px rgb(171, 35, 114) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4329, 11.0749, 16.9803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 35, 114) }
```

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

```
.background{ background-color: rgb(171, 35,  
114) }
```

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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