

Converting Colors

XYZ(20.6864, 10.7467, 40.2933)

Have a look what the booklet for
XYZ(20.6864, 10.7467, 40.2933)
contains.

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Color

**XYZ(20.7514, 10.7629,
40.5189)**

Conversions

Conversions Part 1

Format	Color
Hex	9624AD
RGB	150, 36, 173
RGB Percent	59%, 14%, 68%
CMY	0.4118, 0.8588, 0.3216
CMYK	0.13, 0.79, 0.00, 0.32
HSL	290°, 66%, 41%
HSV	290°, 79%, 68%
XYZ	20.7514, 10.7629, 40.5189
YIQ	85.7040, 23.9670, 66.7750

Conversions

Conversions Part 2

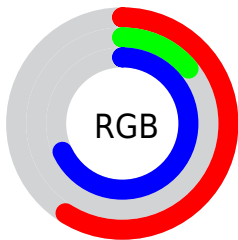
Format	Color
R_{YB}	150, 36, 173
Decimal	9839789
CIE _{Lab}	39.18, 63.24, -48.72
CIE _{LCh}	39, 79.829, 322.387
Yxy	10.7629, 0.2881, 0.1494
Android (android.graphics.Color)	4288029869 (0xFF9624AD)
YUV	85.7040, 43.0369, 56.3876
Hunter-Lab	32.8069, 55.4950, -50.2627

Details

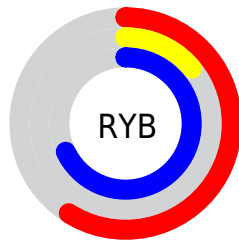
The XYZ color **20.7514, 10.7629, 40.5189** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **17.0659, 30.9446, 6.7428**, and the grayscale version is **8.6918, 9.1444, 9.9583**.

A 20% lighter version of the original color is **44.2475, 27.2515, 77.0567**, and **8.0063, 3.7357, 18.0684** is the 20% darker color. If you saturate the color by 10%, you get **19.8209, 9.6850, 40.3601**, and if you desaturate by 10%, it is **21.9490, 12.3543, 40.7631**.

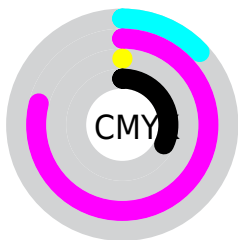
Distribution



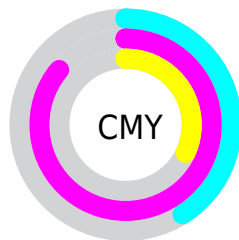
- Red (59%)
- Green (14%)
- Blue (68%)



- Red (59%)
- Yellow (14%)
- Blue (68%)



- Cyan (13%)
- Magenta (79%)
- Yellow (0%)
- Black (32%)



- Cyan (41%)
- Magenta (86%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7514, 10.7629, 40.5189 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 20.7514, 10.7629, 40.5189 by changing the saturation by 10% instead.


 20.7514, 10.7629,
40.5189


 20.7514, 10.7629,
40.5189


248.7112,
196.0336, 363.9227


 13.0538, 5.9076,
27.6265


 44.1678, 27.2209,
77.1987

 7.5429, 2.7890,
17.8077


 60.6174, 39.5924,
101.8233


 3.8532, 1.0226,
10.6440


 80.7150, 55.2381,
131.1956

 1.6194, 0.0000,
5.7169

 104.8260, 74.5424,
165.7342

 0.4050, 0.0000,
2.6077

 133.3158, 97.8898,
205.8577

 0.0000, 0.0000,
0.8964

 166.5497,

 0.0000, 0.0000,

125.6645, 251.9846

0.0000

204.8930,
158.2509, 304.5334

■ 20.7514, 10.7629,
40.5189

■ 20.7514, 10.7629,
40.5189

■ 19.8209, 9.6850,
40.3601

■ 21.9490, 12.3543,
40.7631

■ 19.0935, 8.9943,
40.2651

■ 23.4446, 14.5225,
41.1028

■ 19.0370, 8.9426,
40.2581

■ 25.2663, 17.3227,
41.5473

■ 27.4383, 20.8035,
42.1047

■ 29.9825, 25.0087,
42.7823

■ 32.9192, 29.9783,
43.5867

■ 36.2669, 35.7495,
44.5242

■ 40.0430, 42.3570,
45.6006

■ 44.2639, 49.8333,
46.8212

Harmonies

Analogous

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



14.6759, 10.7629, 65.6332



20.7514, 10.7629, 40.5189



24.2132, 10.7629, 16.0778

Triad

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



20.7514, 10.7629, 40.5189



11.6560, 10.7629, 0.0000



3.3555, 10.7629, 26.9279

Complementary

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



20.7514, 10.7629, 40.5189



17.0659, 30.9446, 6.7428

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.



3.0399, 10.7629, 8.2291



20.7514, 10.7629, 40.5189



6.7868, 10.7629, 0.0000

Square

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



20.7514, 10.7629, 40.5189



17.8924, 10.7629, 0.3015



4.0473, 10.7629, 1.3608



5.1429, 10.7629, 54.0631

Rectangle

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



20.7514, 10.7629, 40.5189



23.9495, 10.7629, 6.4614



4.0473, 10.7629, 1.3608



3.1067, 10.7629, 19.2547

Sweetspot

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



20.7519, 10.7634, 40.5191



56.1156, 48.8588, 77.2789



9.9457, 6.7426, 40.3126



11.8117, 9.9718, 16.6899



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.



20.7519, 10.7634, 40.5191



34.5212, 16.4172, 72.1551



21.8683, 11.7478, 22.0999



8.2031, 8.0790, 10.0798



14.0270, 6.5910, 29.5774



0.4246, 0.2011, 0.8244

Inverse Universe

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



18.6542, 10.4621, 5.1742



31.5001, 16.3610, 4.1879



17.0967, 30.8326, 12.5213



8.0581, 8.0365, 8.6166



12.8389, 6.5981, 1.5312



0.3733, 0.1900, 0.1276

Previews

White Background



This preview shows how the XYZ color 20.7514, 10.7629, 40.5189 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

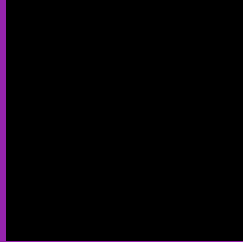
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7514, 10.7629, 40.5189

Background



This preview shows how black text looks on a background with the XYZ color 20.7514, 10.7629, 40.5189.



This preview shows how white text looks on a background with the XYZ color 20.7514, 10.7629,

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

20.7514, 10.7629, 40.5189

Protanopia

12.9504, 11.0300, 50.1616

Deuteranopia

11.4202, 11.1881, 36.6796



Tritanopia

14.3413, 10.8653, 8.7385

Trichromacy



Original Color

20.7514, 10.7629, 40.5189



Protanomaly

12.4174, 8.6532, 46.3632



Deuteranomaly

12.4043, 9.2241, 37.6859



Tritanomaly

15.7518, 10.1748, 16.7565

Monochromacy



Original Color

20.7514, 10.7629, 40.5189



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

11.6438, 8.6935, 18.2038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7514, 10.7629, 40.5189 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(150, 36, 173)` looks like.

```
.text, #text, p{  
    color:rgb(150, 36, 173)  
}
```

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(150, 36, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 36, 173) }
```

Border

The CSS property to change the border of an element to XYZ 20.7514, 10.7629, 40.5189 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(150, 36, 173) }
```


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

```
.border{ border-color:rgb(150, 36, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 36, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 36, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 36, 173);  
box-shadow:4px 4px 4px 4px rgb(150, 36,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7514, 10.7629, 40.5189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 36, 173) }
```

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

```
.background{ background-color: rgb(150, 36,  
173) }
```

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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