

Converting Colors

XYZ(29.8354, 20.3025, 31.9557)

Have a look what the booklet for
XYZ(29.8354, 20.3025, 31.9557)
contains.

XYZ(29.9021, 20.3140, 32.0507)	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(29.9021, 20.3140,
32.0507)**

Conversions

Conversions Part 1

Format	Color
Hex	BB5B98
RGB	187, 91, 152
RGB Percent	73%, 36%, 60%
CMY	0.2667, 0.6431, 0.4039
CMYK	0.00, 0.51, 0.19, 0.27
HSL	322°, 41%, 55%
HSV	322°, 51%, 73%
XYZ	29.9021, 20.3140, 32.0507
YIQ	126.6580, 37.6350, 39.3230

Conversions

Conversions Part 2

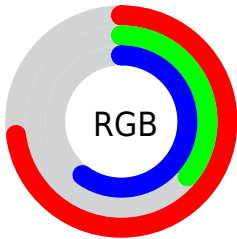
Format	Color
R_{YB}	187, 91, 152
Decimal	12278680
CIE _{Lab}	52.19, 46.14, -15.47
CIE _{LCh}	52, 48.663, 341.461
Yxy	20.3140, 0.3635, 0.2469
Android (android.graphics.Color)	4290468760 (0xFFBB5B98)
YUV	126.6580, 12.4936, 52.9199
Hunter-Lab	45.0711, 39.5503, -10.6123

Details

The XYZ color **29.9021, 20.3140, 32.0507** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **25.8516, 39.2718, 25.9582**, and the grayscale version is **20.0059, 21.0478, 22.9210**.

A 20% lighter version of the original color is **58.7700, 43.8152, 63.7522**, and **12.4021, 7.1511, 13.0386** is the 20% darker color. If you saturate the color by 10%, you get **27.9557, 17.2891, 28.7256**, and if you desaturate by 10%, it is **32.2801, 24.1502, 35.6785**.

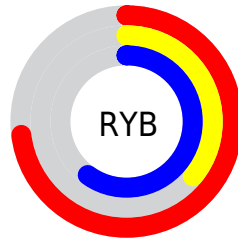
Distribution



Red (73%)

Green (36%)

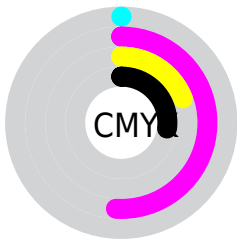
Blue (60%)



Red (73%)

Yellow (36%)

Blue (60%)

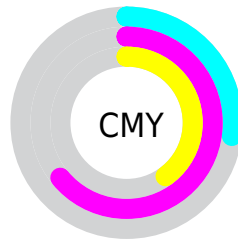


Cyan (0%)

Magenta (51%)

Yellow (19%)

Black (27%)



Cyan (27%)

Magenta (64%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9021, 20.3140, 32.0507 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 29.9021, 20.3140, 32.0507 by changing the saturation by 10% instead.

■ 29.9021, 20.3140,
32.0507

■ 29.9021, 20.3140,
32.0507

293.3659,
253.6099, 325.8500

■ 19.9120, 12.6235,
21.1351

■ 58.8950, 43.9430,
63.9894

■ 12.4390, 7.1698,
13.0306

■ 78.6285, 60.6503,
85.8496

■ 7.1177, 3.5685,
7.3186

■ 102.3406, 81.1320,
112.1950

■ 3.5828, 1.4353,
3.5807

■ 130.3965,
105.7724, 143.4442

■ 1.4689, 0.2425,
1.3983

163.1616,
134.9561, 180.0158

■ 0.3045, 0.0000,
0.1404

201.0013,

■ 0.0000, 0.0000,

169.0673, 222.3282

0.0000

244.2809,
208.4904, 270.8001

■ 29.9021, 20.3140,
32.0507

■ 29.9021, 20.3140,
32.0507

■ 27.9557, 17.2891,
28.7256

■ 32.2801, 24.1502,
35.6785

■ 26.4084, 15.0122,
25.6890

■ 35.1155, 28.8491,
39.6195

■ 25.2257, 13.4149,
22.9271

■ 38.4339, 34.4612,
43.8851

■ 24.3663, 12.4153,
20.4232

■ 42.2589, 41.0324,
48.4854

■ 23.8126, 11.8924,
18.4364

■ 46.6120, 48.6054,
53.4301

■ 51.5137, 57.2202,
58.7284

■ 56.9834, 66.9148,
64.3890

■ 63.0393, 77.7251,
70.4203

■ 68.3100, 86.9074,
76.3673

Harmonies

Analogous

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



26.3789, 20.3140, 49.7455



29.9021, 20.3140, 32.0507



30.3142, 20.3140, 17.0977

Triad

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



29.9021, 20.3140, 32.0507



17.4643, 20.3140, 4.6438



12.9758, 20.3140, 45.7421

Complementary

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



29.9021, 20.3140, 32.0507



25.8516, 39.2718, 25.9582

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.



11.3516, 20.3140, 28.0369



29.9021, 20.3140, 32.0507



13.6288, 20.3140, 7.2603

Square

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



29.9021, 20.3140, 32.0507



22.5203, 20.3140, 4.9608



11.5681, 20.3140, 14.4847



16.4164, 20.3140, 59.7137

Rectangle

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



29.9021, 20.3140, 32.0507



28.6977, 20.3140, 10.6577



11.5681, 20.3140, 14.4847



12.2285, 20.3140, 39.7725

Sweetspot

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



29.9027, 20.3150, 32.0511



72.8971, 68.6792, 83.5440



21.1110, 15.4012, 48.8740



15.7336, 14.5752, 18.0134



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.9027, 20.3150, 32.0511



49.5578, 30.1942, 50.5044



26.8059, 19.0762, 15.7432



9.7783, 9.6356, 11.2217



16.4426, 8.2082, 12.8904



0.6745, 0.3337, 0.6650

Inverse Universe

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



29.9027, 20.3150, 32.0511



49.5578, 30.1942, 50.5044



29.5896, 40.7670, 45.6424



9.7783, 9.6356, 11.2217



16.4426, 8.2082, 12.8904



0.6745, 0.3337, 0.6650

Previews

White Background



This preview shows how the XYZ color 29.9021, 20.3140, 32.0507 looks on a white 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

Black Background



This preview shows how the XYZ color 29.9021, 20.3140, 32.0507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

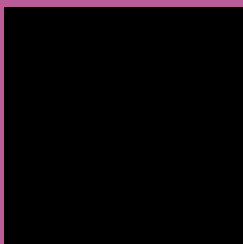
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9021, 20.3140, 32.0507

Background



This preview shows how black text looks on a background with the XYZ color 29.9021, 20.3140, 32.0507.



This preview shows how white text looks on a background with the XYZ color 29.9021, 20.3140,

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

29.9021, 20.3140, 32.0507

Protanopia

21.1275, 20.5123, 43.4032

Deuteranopia

20.9784, 20.5377, 30.4623



Tritanopia

26.8889, 20.4574, 16.7188

Trichromacy



Original Color

29.9021, 20.3140, 32.0507

Protanomaly

22.9760, 19.4773, 39.1077

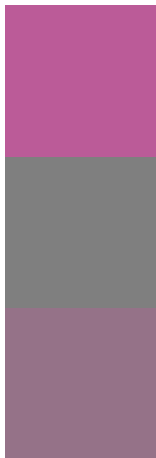
Deuteranomaly

23.5037, 19.9284, 31.0416

Tritanomaly

27.6799, 20.1950, 21.5079

Monochromacy



Original Color

29.9021, 20.3140, 32.0507

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

22.8557, 20.2018, 25.9873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9021, 20.3140, 32.0507 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(187, 91, 152)` looks like.

```
.text, #text, p{  
    color:rgb(187, 91, 152)  
}
```

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(187, 91, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 91, 152) }
```

Border

The CSS property to change the border of an element to XYZ 29.9021, 20.3140, 32.0507 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(187, 91, 152) }
```


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

```
.border{ border-color:rgb(187, 91, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 91, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 91, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 91, 152);  
box-shadow:4px 4px 4px 4px rgb(187, 91,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9021, 20.3140, 32.0507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 91, 152) }
```

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

```
.background{ background-color: rgb(187, 91,  
152) }
```

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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