

Converting Colors

XYZ(20.5689, 9.2735, 61.0920)

Have a look what the booklet for
XYZ(20.5689, 9.2735, 61.0920)
contains.

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Color

**XYZ(20.5619, 9.2706,
61.0273)**

Conversions

Conversions Part 1

Format	Color
Hex	8100D1
RGB	129, 0, 209
RGB Percent	51%, 0%, 82%
CMY	0.4941, 1.0000, 0.1804
CMYK	0.38, 1.00, 0.00, 0.18
HSL	277°, 100%, 41%
HSV	277°, 100%, 82%
XYZ	20.5619, 9.2706, 61.0273
YIQ	62.3970, 9.7950, 92.3470

Conversions

Conversions Part 2

Format	Color
RYB	129, 0, 209
Decimal	8454353
CIELab	36.50, 73.86, -74.38
CIELCh	37, 104.824, 314.799
Yxy	9.2706, 0.2263, 0.1020
Android (android.graphics.Color)	4286644433 (0xFF8100D1)
YUV	62.3970, 72.2753, 58.4108
Hunter-Lab	30.4477, 67.2611, -97.5236

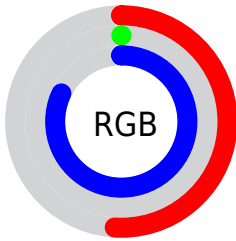
Details

The XYZ color **20.5619, 9.2706, 61.0273** is a dark color, and the websafe version is hex **6600CC**.

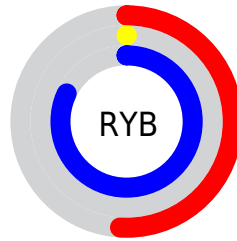
The color can be described as dark washed purple. A complement of this color would be **26.1086, 47.3065, 7.7550**, and the grayscale version is **4.5342, 4.7703, 5.1949**.

A 20% lighter version of the original color is **41.8322, 23.6308, 96.9641**, and **8.1337, 3.5289, 30.3894** is the 20% darker color. If you saturate the color by 10%, you get **20.5625, 9.2709, 61.0275**, and if you desaturate by 10%, it is **22.0921, 10.4548, 61.1754**.

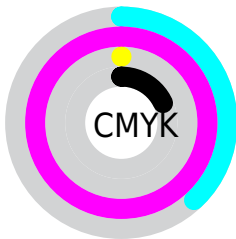
Distribution



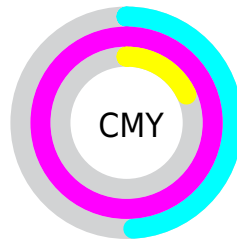
- Red (51%)
- Green (0%)
- Blue (82%)



- Red (51%)
- Yellow (0%)
- Blue (82%)



- Cyan (38%)
- Magenta (100%)
- Yellow (0%)
- Black (18%)





- Cyan (49%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.5619, 9.2706, 61.0273 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 20.5619, 9.2706, 61.0273 by changing the saturation by 10% instead.


 20.5619, 9.2706,
61.0273

 20.5619, 9.2706,
61.0273


247.7170,
185.3839, 446.2834

 12.9148, 4.9181,
43.8165


 43.8541, 24.4142,
107.8764


 7.4465, 2.1993,
30.1901


 60.2298, 35.9741,
138.3517


 3.7917, 0.7196,
19.7297


 80.2458, 50.7053,
174.0857

 1.5850, 0.0000,
12.0166

 104.2674, 68.9921,
215.4968

 0.3826, 0.0000,
6.6323

 132.6600, 91.2190,
263.0036

 0.0000, 0.0000,
3.1583

 165.7889,

 0.0000, 0.0000,

117.7704, 317.0246

1.1760

204.0194,
149.0305, 377.9784

0.0000, 0.0000,
0.0000

20.5619, 9.2706,
61.0273

20.5619, 9.2706,
61.0273

20.5625, 9.2709,
61.0275

22.0921, 10.4548,
61.1754

24.0071, 12.2653,
61.4240

26.4070, 14.8979,
61.8056

29.3464, 18.4595,
62.3382

32.8721, 23.0403,
63.0365

■ 37.0249, 28.7195,
63.9139

■ 41.8418, 35.5684,
64.9819

■ 47.3567, 43.6519,
66.2516

■ 53.6009, 53.0304,
67.7327

Harmonies

Analogous

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



12.3237, 9.2706, 96.1284



20.5619, 9.2706, 61.0273



26.6970, 9.2706, 22.3642

Triad

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



20.5619, 9.2706, 61.0273



12.4279, 9.2706, 0.0000



1.4832, 9.2706, 21.9622

Complementary

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



20.5619, 9.2706, 61.0273



26.1086, 47.3065, 7.7550

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.



1.4900, 9.2706, 3.4084



20.5619, 9.2706, 61.0273



6.0392, 9.2706, 0.0000

Square

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



20.5619, 9.2706, 61.0273



20.6691, 9.2706, 0.0000



2.6932, 9.2706, 0.0000



2.6657, 9.2706, 60.4510

Rectangle

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



20.5619, 9.2706, 61.0273



27.5124, 9.2706, 7.4355



2.6932, 9.2706, 0.0000



1.3752, 9.2706, 13.3212

Sweetspot

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



20.5625, 9.2709, 61.0275



65.3460, 55.3835, 101.8537



14.3859, 10.3579, 61.5629



13.2725, 10.8304, 21.6409



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



20.5625, 9.2709, 61.0275



32.0321, 14.4280, 95.7044



35.0112, 17.0420, 47.1314



11.8543, 11.7737, 14.8914



12.7911, 5.7743, 37.6329



0.8022, 0.3677, 2.1083

Inverse Universe

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



27.7425, 14.1345, 8.8549



43.4259, 22.1344, 13.4410



22.9694, 45.6687, 8.4895



11.9933, 11.8821, 13.2406



17.1498, 8.7327, 5.6948



0.9972, 0.5036, 0.5200

Previews

White Background



This preview shows how the XYZ color 20.5619, 9.2706, 61.0273 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

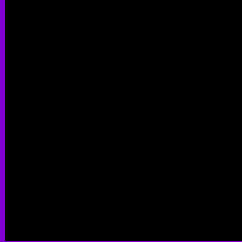
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.5619, 9.2706, 61.0273

Background



This preview shows how black text looks on a background with the XYZ color 20.5619, 9.2706, 61.0273.



This preview shows how white text looks on a background with the XYZ color 20.5619, 9.2706,

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

20.5619, 9.2706, 61.0273

Protanopia

11.3852, 9.7517, 43.9300

Deuteranopia

9.4889, 9.6454, 31.9335



Tritanopia

10.4877, 9.6822, 10.5486

Trichromacy



Original Color

20.5619, 9.2706, 61.0273



Protanomaly

11.7857, 6.9604, 49.4375



Deuteranomaly

10.2754, 6.5866, 40.7742



Tritanomaly

12.2029, 7.6326, 22.6599

Monochromacy



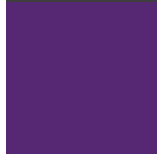
Original Color

20.5619, 9.2706, 61.0273



Achromatopsia

4.5787, 4.8172, 5.2459



Achromatomaly

7.6578, 4.6673, 16.7169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5619, 9.2706, 61.0273 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(129, 0, 209)` looks like.

```
.text, #text, p{  
    color:rgb(129, 0, 209)  
}
```

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(129, 0, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 0, 209) }
```

Border

The CSS property to change the border of an element to XYZ 20.5619, 9.2706, 61.0273 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(129, 0, 209) }
```


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

```
.border{ border-color:rgb(129, 0, 209) }
```

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

Here you see how a box with a 4 pixel rgb(129, 0, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 0, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 0, 209);  
box-shadow:4px 4px 4px 4px rgb(129, 0,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5619, 9.2706, 61.0273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 0, 209) }
```

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

```
.background{ background-color: rgb(129, 0,  
209) }
```

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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