

Converting Colors

XYZ(30.4908, 20.1446, 62.6460)

Have a look what the booklet for
XYZ(30.4908, 20.1446, 62.6460)
contains.

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Color

**XYZ(30.5272, 20.2187,
62.6152)**

Conversions

Conversions Part 1

Format	Color
Hex	A35DD1
RGB	163, 93, 209
RGB Percent	64%, 36%, 82%
CMY	0.3608, 0.6353, 0.1804
CMYK	0.22, 0.56, 0.00, 0.18
HSL	276°, 56%, 59%
HSV	276°, 56%, 82%
XYZ	30.5272, 20.2187, 62.6152
YIQ	127.1540, 4.4840, 50.9160

Conversions

Conversions Part 2

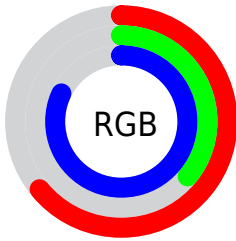
Format	Color
RYB	163, 93, 209
Decimal	10706385
CIELab	52.08, 48.95, -48.93
CIELCh	52, 69.214, 315.012
Yxy	20.2187, 0.2693, 0.1784
Android (android.graphics.Color)	4288896465 (0xFFA35DD1)
YUV	127.1540, 40.3501, 31.4369
Hunter-Lab	44.9652, 42.4958, -51.0872

Details

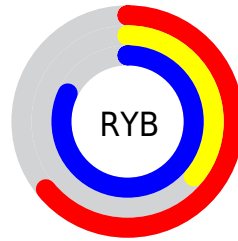
The XYZ color **30.5272, 20.2187, 62.6152** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **35.4242, 51.8806, 18.5036**, and the grayscale version is **20.0911, 21.1374, 23.0187**.

A 20% lighter version of the original color is **57.8441, 42.9934, 99.8576**, and **12.8100, 7.1071, 31.2685** is the 20% darker color. If you saturate the color by 10%, you get **27.2955, 16.1919, 62.0086**, and if you desaturate by 10%, it is **34.3729, 25.3068, 63.3950**.

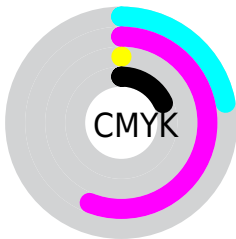
Distribution



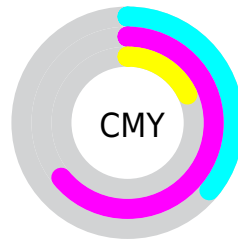
- Red (64%)
- Green (36%)
- Blue (82%)



- Red (64%)
- Yellow (36%)
- Blue (82%)



- Cyan (22%)
- Magenta (56%)
- Yellow (0%)
- Black (18%)



- Cyan (36%)
- Magenta (64%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5272, 20.2187, 62.6152 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 30.5272, 20.2187, 62.6152 by changing the saturation by 10% instead.

■ 30.5272, 20.2187,
62.6152

■ 30.5272, 20.2187,
62.6152

296.2201,
253.0966, 452.2411

■ 20.3891, 12.5541,
45.0910

■ 59.8758, 43.7835,
110.1944

■ 12.7881, 7.1222,
31.1856

■ 79.8171, 60.4526,
141.0864

■ 7.3588, 3.5387,
20.4806

■ 103.7569, 80.8919,
177.2715

■ 3.7358, 1.4190,
12.5573

■ 132.0605,
105.4859, 219.1681

■ 1.5538, 0.2307,
6.9973

165.0932,
134.6190, 267.1948

■ 0.3620, 0.0000,
3.3820

203.2205,

■ 0.0000, 0.0000,

168.6756, 321.7702

1.2928

246.8077,
208.0400, 383.3128

■ 0.0000, 0.0000,
0.0559

■ 0.0000, 0.0000,
0.0000

■ 30.5272, 20.2187,
62.6152

■ 30.5272, 20.2187,
62.6152

■ 27.2955, 16.1919,
62.0086

■ 34.3729, 25.3068,
63.3950

■ 24.6314, 13.1391,
61.5598

■ 38.8695, 31.5293,
64.3590

■ 22.4848, 10.9625,
61.2528

■ 44.0534, 38.9553,
65.5192

■ 20.7938, 9.5416,
61.0677

■ 49.9575, 47.6477,
66.8858

■ 20.1309, 9.0484,
61.0074

■ 56.6125, 57.6648,
68.4685

■ 64.0469, 69.0615,
70.2765

■ 72.2881, 81.8892,
72.3181

■ 79.6792, 92.8317,
74.0407

■ 82.3920, 94.2302,
74.1676

Harmonies

Analogous

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



22.9587, 20.2187, 85.1140



30.5272, 20.2187, 62.6152



35.5715, 20.2187, 33.6997

Triad

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



30.5272, 20.2187, 62.6152



22.9527, 20.2187, 1.7556



8.8487, 20.2187, 33.7200

Complementary

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



30.5272, 20.2187, 62.6152



35.4242, 51.8806, 18.5036

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.



8.8478, 20.2187, 13.4013



30.5272, 20.2187, 62.6152



15.9062, 20.2187, 1.7564

Square

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



30.5272, 20.2187, 62.6152



30.5219, 20.2187, 4.3620



11.1155, 20.2187, 4.3658



11.1183, 20.2187, 62.6376

Rectangle

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



30.5272, 20.2187, 62.6152



36.1942, 20.2187, 18.7851



11.1155, 20.2187, 4.3658



8.6052, 20.2187, 25.5948

Sweetspot

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



30.5280, 20.2195, 62.6157



76.7021, 72.2764, 104.5158



25.3142, 25.5127, 63.9122



16.0032, 14.8570, 22.2742



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.



30.5280, 20.2195, 62.6157



41.7867, 24.1803, 97.0726



40.3333, 25.4343, 55.8479



11.8382, 11.7654, 14.8907



12.5258, 5.6376, 37.6205



0.7884, 0.3606, 2.1076

Inverse Universe

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



34.8696, 23.2488, 27.0763



50.0813, 29.8877, 32.7922



29.8445, 48.9403, 21.1313



12.0001, 11.8848, 13.2765



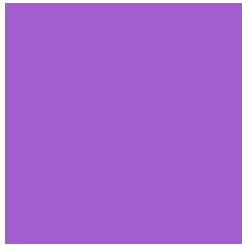
17.2177, 8.7599, 6.0526



1.0014, 0.5053, 0.5420

Previews

White Background



This preview shows how the XYZ color 30.5272, 20.2187, 62.6152 looks on a white background.

Color Contrast Check

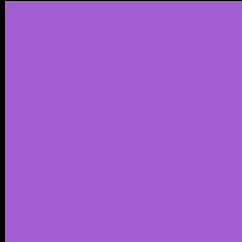
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.5272, 20.2187, 62.6152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

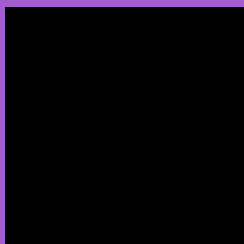
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.5272, 20.2187, 62.6152

Background



This preview shows how black text looks on a background with the XYZ color 30.5272, 20.2187, 62.6152.



This preview shows how white text looks on a background with the XYZ color 30.5272, 20.2187,

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

30.5272, 20.2187, 62.6152

Protanopia

23.9022, 20.7230, 82.0970

Deuteranopia

21.0936, 20.5155, 59.3481



Tritanopia

22.1633, 20.1063, 21.7815

Trichromacy



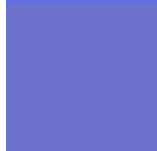
Original Color

30.5272, 20.2187, 62.6152



Protanomaly

24.4489, 19.4565, 74.4184



Deuteranomaly

23.1089, 19.4062, 60.2854



Tritanomaly

24.5005, 19.7520, 33.5315

Monochromacy



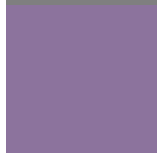
Original Color

30.5272, 20.2187, 62.6152



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

23.0318, 20.2712, 34.5971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5272, 20.2187, 62.6152 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, 93, 209)` looks like.

```
.text, #text, p{  
    color:rgb(163, 93, 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(163, 93, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 93, 209) }
```

Border

The CSS property to change the border of an element to XYZ 30.5272, 20.2187, 62.6152 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, 93, 209) }
```


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

```
.border{ border-color:rgb(163, 93, 209) }
```

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

Here you see how a box with a 4 pixel rgb(163, 93, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 93, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 93, 209);  
box-shadow:4px 4px 4px 4px rgb(163, 93,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5272, 20.2187, 62.6152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 93, 209) }
```

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

```
.background{ background-color: rgb(163, 93,  
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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