

Converting Colors

XYZ(32.6388, 23.0069, 63.0792)

Have a look what the booklet for
XYZ(32.6388, 23.0069, 63.0792)
contains.

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Color

**XYZ(32.7086, 23.0314,
63.0432)**

Conversions

Conversions Part 1

Format	Color
Hex	A869D1
RGB	168, 105, 209
RGB Percent	66%, 41%, 82%
CMY	0.3412, 0.5882, 0.1804
CMYK	0.20, 0.50, 0.00, 0.18
HSL	276°, 53%, 62%
HSV	276°, 50%, 82%
XYZ	32.7086, 23.0314, 63.0432
YIQ	135.6930, 4.1640, 45.7000

Conversions

Conversions Part 2

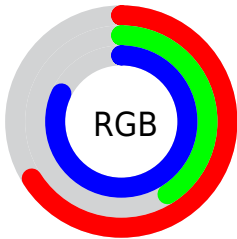
Format	Color
RYB	168, 105, 209
Decimal	11037137
CIELab	55.10, 43.90, -44.10
CIElCh	55, 62.225, 314.868
Yxy	23.0314, 0.2754, 0.1939
Android (android.graphics.Color)	4289227217 (0xFFA869D1)
YUV	135.6930, 36.1404, 28.3332
Hunter-Lab	47.9910, 37.6735, -44.2923

Details

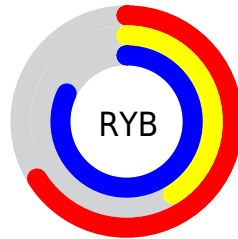
The XYZ color **32.7086, 23.0314, 63.0432** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **37.2050, 52.7324, 21.5829**, and the grayscale version is **23.1561, 24.3620, 26.5302**.

A 20% lighter version of the original color is **61.3282, 47.6813, 100.5788**, and **14.0090, 8.5762, 31.4889** is the 20% darker color. If you saturate the color by 10%, you get **29.1368, 18.4093, 62.3397**, and if you desaturate by 10%, it is **36.9163, 28.7587, 63.9273**.

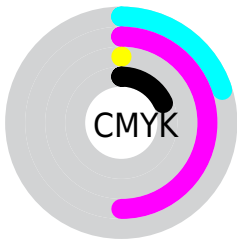
Distribution



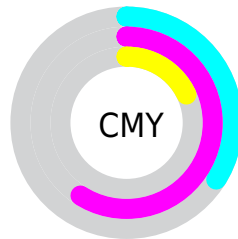
- Red (66%)
- Green (41%)
- Blue (82%)



- Red (66%)
- Yellow (41%)
- Blue (82%)



- Cyan (20%)
- Magenta (50%)
- Yellow (0%)
- Black (18%)



- Cyan (34%)
- Magenta (59%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7086, 23.0314, 63.0432 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 32.7086, 23.0314, 63.0432 by changing the saturation by 10% instead.

■ 32.7086, 23.0314,
63.0432

■ 32.7086, 23.0314,
63.0432

306.0229,
267.8862, 453.8385

■ 22.0615, 14.6167,
45.4349

■ 63.2780, 48.4449,
110.8180

■ 14.0189, 8.5508,
31.4547

■ 83.9311, 66.2124,
141.8216

■ 8.2156, 4.4494,
20.6840

■ 108.6501, 87.8664,
178.1275

■ 4.2862, 1.9280,
12.7042

■ 137.8005,
113.7912, 220.1540

■ 1.8653, 0.5651,
7.0969

171.7476,
144.3712, 268.3199

■ 0.5565, 0.0000,
3.4434

210.8568,

■ 0.0000, 0.0000,

179.9907, 323.0435

1.3252

255.4935,
221.0343, 384.7436

■ 0.0000, 0.0000,
0.0823

■ 0.0000, 0.0000,
0.0000

■ 32.7086, 23.0314,
63.0432

■ 32.7086, 23.0314,
63.0432

■ 29.1368, 18.4093,
62.3397

■ 36.9163, 28.7587,
63.9273

■ 26.1573, 14.8105,
61.8021

■ 41.7944, 35.6596,
65.0022

■ 23.7244, 12.1460,
61.4160

■ 47.3777, 43.8000,
66.2792

■ 21.7832, 10.3093,
61.1638

■ 53.6976, 53.2402,
67.7682

■ 20.2376, 9.1115,
61.0141

■ 60.7837, 64.0362,
69.4786

■ 20.2027, 9.0854,
61.0109

■ 68.6637, 76.2409,
71.4190

■ 77.3638, 89.9044,
73.5978

■ 81.1731, 93.6019,
74.1107

■ 83.9404, 95.0284,
74.2402

Harmonies

Analogous

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



25.4933, 23.0314, 83.0505



32.7086, 23.0314, 63.0432



37.4490, 23.0314, 36.4241

Triad

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



32.7086, 23.0314, 63.0432



25.5589, 23.0314, 3.3271



11.3672, 23.0314, 36.2071

Complementary

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



32.7086, 23.0314, 63.0432



37.2050, 52.7324, 21.5829

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.



11.3775, 23.0314, 16.3718



32.7086, 23.0314, 63.0432



18.6445, 23.0314, 3.3153

Square

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



32.7086, 23.0314, 63.0432



32.7653, 23.0314, 6.6332



13.7673, 23.0314, 6.5822



13.7355, 23.0314, 62.8140

Rectangle

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



32.7086, 23.0314, 63.0432



38.0445, 23.0314, 21.9742



13.7673, 23.0314, 6.5822



11.1118, 23.0314, 28.4595

Sweetspot

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



32.7095, 23.0323, 63.0437



78.7068, 75.2283, 104.9800



27.7067, 28.3508, 64.3340



16.4021, 15.4404, 22.3658



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.



32.7095, 23.0323, 63.0437



45.2253, 28.2827, 97.6832



41.6091, 27.7642, 56.9562



11.8409, 11.7668, 14.8908



12.5699, 5.6603, 37.6225



0.7907, 0.3618, 2.1077

Inverse Universe

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



36.5350, 25.7346, 30.2365



52.5412, 33.3827, 38.0045



31.7444, 49.8518, 24.2907



11.9990, 11.8843, 13.2705



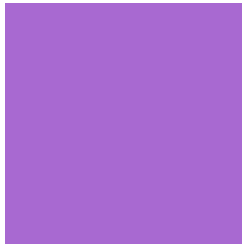
17.2061, 8.7553, 5.9914



1.0007, 0.5050, 0.5383

Previews

White Background



This preview shows how the XYZ color 32.7086, 23.0314, 63.0432 looks on a white background.

Color Contrast Check

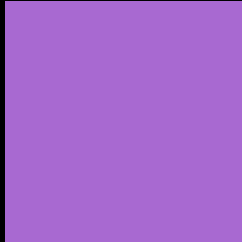
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.7086, 23.0314, 63.0432 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 32.7086, 23.0314, 63.0432

Background



This preview shows how black text looks on a background with the XYZ color 32.7086, 23.0314, 63.0432.



This preview shows how white text looks on a background with the XYZ color 32.7086, 23.0314,

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

32.7086, 23.0314, 63.0432

Protanopia

26.1118, 23.4485, 78.7511

Deuteranopia

23.9742, 23.3490, 60.3700



Tritanopia

25.0269, 22.9273, 25.2967

Trichromacy



Original Color

32.7086, 23.0314, 63.0432

Protanomaly

27.2382, 22.4737, 72.7143

Deuteranomaly

26.1262, 22.5129, 61.3609

Tritanomaly

27.1756, 22.5376, 36.6361

Monochromacy



Original Color

32.7086, 23.0314, 63.0432

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

26.1572, 23.6075, 37.8284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7086, 23.0314, 63.0432 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(168, 105, 209)` looks like.

```
.text, #text, p{  
    color:rgb(168, 105, 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(168, 105, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 105, 209) }
```

Border

The CSS property to change the border of an element to XYZ 32.7086, 23.0314, 63.0432 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(168, 105, 209) }
```


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

```
.border{ border-color:rgb(168, 105, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 105, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 105, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 105, 209);  
box-shadow:4px 4px 4px 4px rgb(168, 105,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7086, 23.0314, 63.0432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 105, 209) }
```

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

```
.background{ background-color: rgb(168,  
105, 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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