

Converting Colors

XYZ(23.8714, 32.4555, 28.2817)

Have a look what the booklet for
XYZ(23.8714, 32.4555, 28.2817)
contains.

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Color

**XYZ(23.9261, 32.6076,
28.3254)**

Conversions

Conversions Part 1

Format	Color
Hex	66A888
RGB	102, 168, 136
RGB Percent	40%, 66%, 53%
CMY	0.6000, 0.3412, 0.4667
CMYK	0.39, 0.00, 0.19, 0.34
HSL	151°, 28%, 53%
HSV	151°, 39%, 66%
XYZ	23.9261, 32.6076, 28.3254
YIQ	144.6180, -29.0640, -23.9440

Conversions

Conversions Part 2

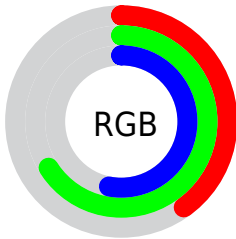
Format	Color
RYB	102, 146, 168
Decimal	6727816
CIELab	63.84, -28.44, 9.98
CIELCh	64, 30.143, 160.656
Yxy	32.6076, 0.2820, 0.3843
Android (android.graphics.Color)	4284917896 (0xFF66A888)
YUV	144.6180, -4.2487, -37.3760
Hunter-Lab	57.1031, -25.1391, 10.5619

Details

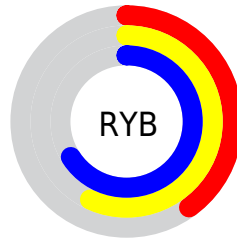
The XYZ color **23.9261, 32.6076, 28.3254** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.2041, 19.5497, 25.0008**, and the grayscale version is **26.7846, 28.1795, 30.6874**.

A 20% lighter version of the original color is **49.5513, 64.0534, 57.8960**, and **9.2405, 13.8408, 10.9886** is the 20% darker color. If you saturate the color by 10%, you get **21.6547, 31.5019, 25.3114**, and if you desaturate by 10%, it is **26.6292, 33.9325, 31.5908**.

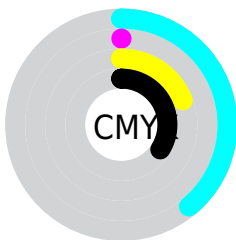
Distribution



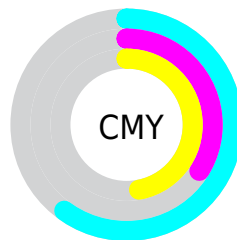
- Red (40%)
- Green (66%)
- Blue (53%)



- Red (40%)
- Yellow (57%)
- Blue (66%)



- Cyan (39%)
- Magenta (0%)
- Yellow (19%)
- Black (34%)



- Cyan (60%)
- Magenta (34%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9261, 32.6076, 28.3254 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 23.9261, 32.6076, 28.3254 by changing the saturation by 10% instead.

■ 23.9261, 32.6076,
28.3254

■ 23.9261, 32.6076,
28.3254

264.8941,
313.8778, 307.9793

■ 15.4033, 21.8260,
18.3299

■ 49.3651, 63.7624,
58.0329

■ 9.1910, 13.7291,
11.0152

■ 67.0120, 84.9044,
78.5820

■ 4.9241, 7.9325,
5.9628

■ 88.4310, 110.2687,
103.4860

■ 2.2371, 4.0518,
2.7540

■ 113.9873,
140.2396, 133.1635

■ 0.7622, 1.7026,
0.9705

144.0465,
175.2016, 168.0331

■ 0.0000, 0.4253,
0.0000

178.9737,

■ 0.0000, 0.0000,

215.5390, 208.5132

0.0000

219.1345,
261.6363, 255.0224

■ 23.9261, 32.6076,
28.3254

■ 23.9261, 32.6076,
28.3254

■ 21.6547, 31.5019,
25.3114

■ 26.6292, 33.9325,
31.5908

■ 19.7878, 30.5989,
22.5403

■ 29.7837, 35.4841,
35.1112

■ 18.2993, 29.8861,
20.0063

■ 33.4114, 37.2742,
38.8932

■ 17.1588, 29.3479,
17.7025

■ 37.5316, 39.3130,
42.9423

■ 16.3306, 28.9662,
15.6217

■ 42.1629, 41.6096,
47.2638

■ 15.7437, 28.7043,
13.7545

■ 47.3225, 44.1730,
51.8630

■ 15.7049, 28.6871,
13.6288

■ 53.0270, 47.0117,
56.7449

■ 59.2923, 50.1336,
61.9143

■ 66.1336, 53.5466,
67.3761

Harmonies

Analogous

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



25.9838, 32.6076, 20.5869



23.9261, 32.6076, 28.3254



23.6584, 32.6076, 39.9938

Triad

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



23.9261, 32.6076, 28.3254



32.5229, 32.6076, 63.7112



37.5903, 32.6076, 22.3735

Complementary

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



23.9261, 32.6076, 28.3254



25.2041, 19.5497, 25.0008

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.



39.7045, 32.6076, 31.3637



23.9261, 32.6076, 28.3254



36.6068, 32.6076, 56.2998

Square

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



23.9261, 32.6076, 28.3254



28.3725, 32.6076, 62.3703



39.3291, 32.6076, 43.8036



33.7691, 32.6076, 17.7314

Rectangle

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



23.9261, 32.6076, 28.3254



24.5015, 32.6076, 48.7732



39.3291, 32.6076, 43.8036



38.5393, 32.6076, 24.8905

Sweetspot

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



23.9270, 32.6089, 28.3261



58.6044, 66.6376, 68.5107



26.3937, 34.1169, 17.7651



12.5936, 14.4354, 14.7468



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.9270, 32.6089, 28.3261



39.8347, 57.4252, 46.6805



26.5511, 33.6586, 42.1447



7.5920, 8.4698, 8.8377



11.8853, 21.6729, 10.4286



0.3149, 0.5376, 0.3891

Inverse Universe

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



25.2041, 19.5497, 25.0008



42.4773, 30.4110, 39.8061



23.2991, 18.7877, 14.9694



7.6770, 7.6006, 8.6161



13.3550, 6.7507, 6.6809



0.3509, 0.1746, 0.2993

Previews

White Background



This preview shows how the XYZ color 23.9261, 32.6076, 28.3254 looks on a white 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

Black Background



This preview shows how the XYZ color 23.9261, 32.6076, 28.3254 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 ✓ Pass

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

XYZ 23.9261, 32.6076, 28.3254

Background



This preview shows how black text looks on a background with the XYZ color 23.9261, 32.6076, 28.3254.

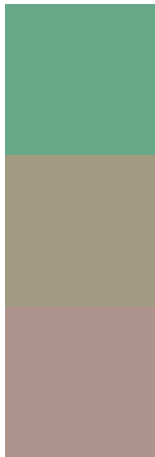


This preview shows how white text looks on a background with the XYZ color 23.9261, 32.6076,

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

23.9261, 32.6076, 28.3254

Protanopia

30.4183, 32.3776, 25.4152

Deuteranopia

32.7791, 32.0719, 29.2738



Tritanopia

27.4892, 32.7085, 45.9388

Trichromacy



Original Color

23.9261, 32.6076, 28.3254

Protanomaly

27.3782, 32.0377, 26.5707

Deuteranomaly

28.5943, 31.6027, 29.0189

Tritanomaly

26.0725, 32.6716, 38.6503

Monochromacy



Original Color

23.9261, 32.6076, 28.3254

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.3270, 29.4026, 29.9316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9261, 32.6076, 28.3254 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(102, 168, 136)` looks like.

```
.text, #text, p{  
    color:rgb(102, 168, 136)  
}
```

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(102, 168, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 168, 136) }
```

Border

The CSS property to change the border of an element to XYZ 23.9261, 32.6076, 28.3254 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(102, 168, 136) }
```


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

```
.border{ border-color:rgb(102, 168, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 168, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 168, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 168, 136);  
box-shadow:4px 4px 4px 4px rgb(102, 168,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9261, 32.6076, 28.3254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 168, 136) }
```

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

```
.background{ background-color: rgb(102,  
168, 136) }
```

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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