

Converting Colors

XYZ(20.2990, 23.3027, 36.6438)

Have a look what the booklet for
XYZ(20.2990, 23.3027, 36.6438)
contains.

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Color

**XYZ(20.2575, 23.2018,
36.6684)**

Conversions

Conversions Part 1

Format	Color
Hex	608AA0
RGB	96, 138, 160
RGB Percent	38%, 54%, 63%
CMY	0.6235, 0.4588, 0.3725
CMYK	0.40, 0.14, 0.00, 0.37
HSL	201°, 25%, 50%
HSV	201°, 40%, 63%
XYZ	20.2575, 23.2018, 36.6684
YIQ	127.9500, -32.0940, -2.0620

Conversions

Conversions Part 2

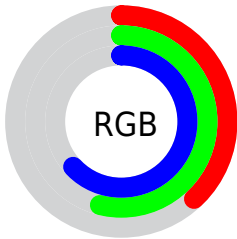
Format	Color
R _Y B	96, 121, 160
Decimal	6326944
CIE Lab	55.28, -8.57, -16.25
CIE LCh	55, 18.374, 242.185
Yxy	23.2018, 0.2528, 0.2896
Android (android.graphics.Color)	4284517024 (0xFF608AA0)
YUV	127.9500, 15.8006, -28.0202
Hunter-Lab	48.1682, -9.2250, -11.4171

Details

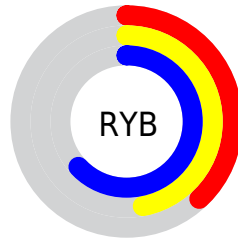
The XYZ color **20.2575, 23.2018, 36.6684** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.0874, 21.2754, 13.9567**, and the grayscale version is **20.4560, 21.5213, 23.4367**.

A 20% lighter version of the original color is **43.2910, 48.5575, 71.3808**, and **7.2352, 8.5976, 15.4655** is the 20% darker color. If you saturate the color by 10%, you get **17.9733, 20.8829, 36.3416**, and if you desaturate by 10%, it is **22.9257, 25.7791, 37.0256**.

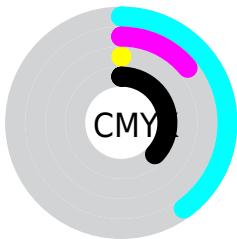
Distribution



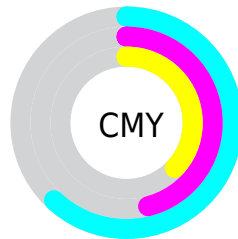
- Red (38%)
- Green (54%)
- Blue (63%)



- Red (38%)
- Yellow (47%)
- Blue (63%)



- Cyan (40%)
- Magenta (14%)
- Yellow (0%)
- Black (37%)



- Cyan (62%)
- Magenta (46%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2575, 23.2018, 36.6684 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 20.2575, 23.2018, 36.6684 by changing the saturation by 10% instead.

■ 20.2575, 23.2018,
36.6684

■ 20.2575, 23.2018,
36.6684

246.1128,
268.7598, 346.9980

■ 12.6917, 14.7426,
24.6571

■ 43.3491, 48.7245,
71.2431

■ 7.2921, 8.6389,
15.6051

■ 59.6057, 66.5567,
94.6436

■ 3.6934, 4.5064,
9.0938

■ 79.4899, 88.2821,
122.6775

■ 1.5302, 1.9607,
4.7048

■ 103.3671,
114.2850, 155.7634

■ 0.3462, 0.5845,
2.0194

131.6026,
144.9498, 194.3199

■ 0.0000, 0.0000,
0.5672

164.5618,

■ 0.0000, 0.0000,

180.6610, 238.7655

0.0000

202.6101,
221.8028, 289.5187

■ 20.2575, 23.2018,
36.6684

■ 20.2575, 23.2018,
36.6684

■ 17.9733, 20.8829,
36.3416

■ 22.9257, 25.7791,
37.0256

■ 16.0495, 18.8076,
36.0424

■ 25.9955, 28.6231,
37.4128

■ 14.4629, 16.9639,
35.7702

■ 29.4860, 31.7449,
37.8314

■ 13.1867, 15.3367,
35.5234

■ 33.4142, 35.1542,
38.2824

■ 12.1894, 13.9091,
35.3004

■ 37.7962, 38.8601,
38.7668

■ 11.3972, 12.6420,
35.0975

■ 42.6475, 42.8713,
39.2853

■ 11.3971, 12.6418,
35.0975

■ 47.9824, 47.1960,
39.8389

■ 53.8149, 51.8422,
40.4283

■ 60.1584, 56.8174,
41.0543

Harmonies

Analogous

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



18.8707, 23.2018, 31.7918



20.2575, 23.2018, 36.6684



22.2038, 23.2018, 38.3616

Triad

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



20.2575, 23.2018, 36.6684



26.2472, 23.2018, 24.8332



20.0116, 23.2018, 16.8352

Complementary

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



20.2575, 23.2018, 36.6684



23.0874, 21.2754, 13.9567

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.



21.9021, 23.2018, 15.5474



20.2575, 23.2018, 36.6684



25.5735, 23.2018, 19.6951

Square

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



20.2575, 23.2018, 36.6684



25.7403, 23.2018, 30.9275



23.9508, 23.2018, 16.5077



18.7351, 23.2018, 20.3358

Rectangle

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



20.2575, 23.2018, 36.6684



23.5806, 23.2018, 37.2746



23.9508, 23.2018, 16.5077



20.5921, 23.2018, 16.1561

Sweetspot

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



20.2582, 23.2027, 36.6689



52.0546, 56.3287, 68.5155



20.6258, 28.9211, 21.4285



11.2459, 12.2023, 15.0062



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.2582, 23.2027, 36.6689



33.0470, 38.3471, 66.0465



16.3927, 15.4716, 35.3804



6.6297, 7.1252, 8.4326



8.9201, 9.9318, 27.3541



0.1974, 0.2533, 0.5017

Inverse Universe

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



23.2681, 17.6750, 26.2309



39.4615, 27.5295, 43.5856



27.4093, 29.9191, 15.3974



6.8072, 6.7158, 7.8358



13.3007, 6.6248, 11.1003



0.2569, 0.1261, 0.2991

Previews

White Background



This preview shows how the XYZ color 20.2575, 23.2018, 36.6684 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 20.2575, 23.2018, 36.6684 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

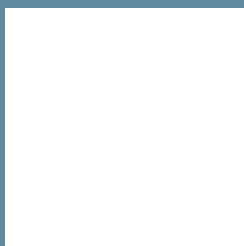
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2575, 23.2018, 36.6684

Background



This preview shows how black text looks on a background with the XYZ color 20.2575, 23.2018, 36.6684.



This preview shows how white text looks on a background with the XYZ color 20.2575, 23.2018,

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

20.2575, 23.2018, 36.6684

Protanopia

22.7851, 23.1112, 34.2703

Deuteranopia

23.5778, 23.0550, 37.3898



Tritanopia

19.5801, 23.3702, 32.7571

Trichromacy



Original Color

20.2575, 23.2018, 36.6684

Protanomaly

21.8134, 23.1975, 35.2262

Deuteranomaly

22.1555, 22.9273, 36.9759

Tritanomaly

19.7847, 23.2312, 34.0132

Monochromacy



Original Color

20.2575, 23.2018, 36.6684

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.1873, 22.1090, 28.0144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2575, 23.2018, 36.6684 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(96, 138, 160) looks like.

```
.text, #text, p{  
    color:rgb(96, 138, 160)  
}
```

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(96, 138, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 138, 160) }
```

Border

The CSS property to change the border of an element to XYZ 20.2575, 23.2018, 36.6684 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(96, 138, 160) }
```


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

```
.border{ border-color:rgb(96, 138, 160) }
```

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

Here you see how a box with a 4 pixel rgb(96, 138, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 138, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 138, 160);  
box-shadow:4px 4px 4px 4px rgb(96, 138,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2575, 23.2018, 36.6684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 138, 160) }
```

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

```
.background{ background-color: rgb(96, 138,  
160) }
```

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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