

Converting Colors

XYZ(20.3353, 23.6200, 29.8572)

Have a look what the booklet for
XYZ(20.3353, 23.6200, 29.8572)
contains.

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Color

**XYZ(20.3301, 23.6047,
29.8702)**

Conversions

Conversions Part 1

Format	Color
Hex	6B8B90
RGB	107, 139, 144
RGB Percent	42%, 55%, 56%
CMY	0.5804, 0.4549, 0.4353
CMYK	0.26, 0.03, 0.00, 0.44
HSL	188°, 15%, 49%
HSV	188°, 26%, 56%
XYZ	20.3301, 23.6047, 29.8702
YIQ	130.0020, -20.6770, -5.2290

Conversions

Conversions Part 2

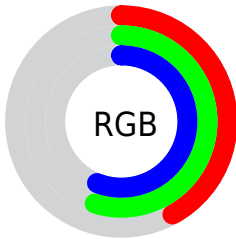
Format	Color
R_{YB}	107, 124, 144
Decimal	7048080
CIE _{Lab}	55.69, -9.99, -6.35
CIE _{LCh}	56, 11.834, 212.456
Yxy	23.6047, 0.2755, 0.3198
Android (android.graphics.Color)	4285238160 (0xFF6B8B90)
YUV	130.0020, 6.9010, -20.1728
Hunter-Lab	48.5847, -10.3304, -2.4426

Details

The XYZ color **20.3301, 23.6047, 29.8702** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.9499, 18.5793, 16.4451**, and the grayscale version is **21.2010, 22.3051, 24.2903**.

A 20% lighter version of the original color is **43.5611, 49.5881, 60.7016**, and **7.3377, 8.8524, 11.9116** is the 20% darker color. If you saturate the color by 10%, you get **18.4620, 22.2278, 29.7033**, and if you desaturate by 10%, it is **22.4930, 25.1422, 30.0534**.

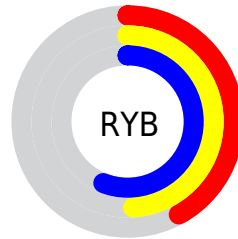
Distribution



Red (42%)

Green (55%)

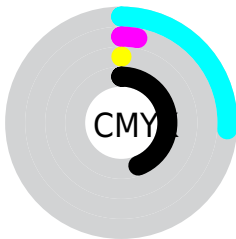
Blue (56%)



Red (42%)

Yellow (49%)

Blue (56%)

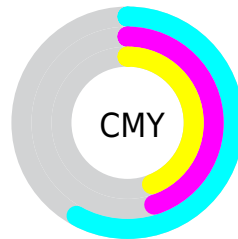


Cyan (26%)

Magenta (3%)

Yellow (0%)

Black (44%)



Cyan (58%)

Magenta (45%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3301, 23.6047, 29.8702 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 20.3301, 23.6047, 29.8702 by changing the saturation by 10% instead.

■ 20.3301, 23.6047,
29.8702

■ 20.3301, 23.6047,
29.8702

246.4962,
270.8158, 315.4874

■ 12.7449, 15.0406,
19.4889

■ 43.4697, 49.3844,
60.5154

■ 7.3289, 8.8479,
11.8437

■ 59.7547, 67.3687,
81.6164

■ 3.7168, 4.6421,
6.5161

■ 79.6704, 89.2620,
107.1277

■ 1.5432, 2.0389,
3.0875

■ 103.5821,
115.4486, 137.4678

■ 0.3549, 0.6299,
1.1395

131.8552,
146.3129, 173.0553

■ 0.0000, 0.0000,
0.0000

164.8550,

182.2393, 214.3087

202.9469,
223.6121, 261.6465

■ 20.3301, 23.6047,
29.8702

■ 20.3301, 23.6047,
29.8702

■ 18.4620, 22.2278,
29.7033

■ 22.4930, 25.1422,
30.0534

■ 16.8722, 21.0012,
29.5503

■ 24.9618, 26.8443,
30.2518

■ 15.5460, 19.9179,
29.4111

■ 27.7498, 28.7184,
30.4666

■ 14.4663, 18.9689,
29.2849

■ 30.8687, 30.7707,
30.6983

■ 13.6141, 18.1445,
29.1706

■ 34.3297, 33.0069,
30.9475

■ 12.9673, 17.4333,
29.0675

■ 38.1435, 35.4326,
31.2147

■ 12.4944, 16.8189,
28.9738

■ 42.3201, 38.0531,
31.5004

■ 12.3107, 16.5668,
28.9348

■ 46.8695, 40.8734,
31.8050

■ 51.8009, 43.8984,
32.1290

Harmonies

Analogous

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



19.9576, 23.6047, 26.0192



20.3301, 23.6047, 29.8702



21.2646, 23.6047, 32.8183

Triad

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



20.3301, 23.6047, 29.8702



24.7995, 23.6047, 29.2685



22.3253, 23.6047, 19.0092

Complementary

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



20.3301, 23.6047, 29.8702



19.9499, 18.5793, 16.4451

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.



23.6487, 23.6047, 19.6960



20.3301, 23.6047, 29.8702



25.1106, 23.6047, 25.3864

Square

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



20.3301, 23.6047, 29.8702



23.8475, 23.6047, 32.4473



24.6816, 23.6047, 21.9399



21.0805, 23.6047, 19.9622

Rectangle

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



20.3301, 23.6047, 29.8702



22.0989, 23.6047, 33.7363



24.6816, 23.6047, 21.9399



22.7757, 23.6047, 19.0559

Sweetspot

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



20.3308, 23.6057, 29.8707



42.8990, 46.5770, 53.2673



18.9581, 24.2411, 18.9901



9.6957, 10.5837, 12.2041



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.3308, 23.6057, 29.8707



33.8389, 40.1574, 52.5057



17.8828, 18.7096, 29.0547



5.4990, 5.9938, 6.8959



10.7326, 14.4512, 25.2008



0.1137, 0.1604, 0.2446

Inverse Universe

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



21.4201, 18.3093, 26.8323



36.1349, 29.2408, 46.0460



22.1963, 23.0721, 17.1939



5.5954, 5.4987, 6.6331



13.2204, 6.4452, 17.3440



0.1320, 0.0639, 0.1954

Previews

White Background



This preview shows how the XYZ color 20.3301, 23.6047, 29.8702 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 20.3301, 23.6047, 29.8702 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

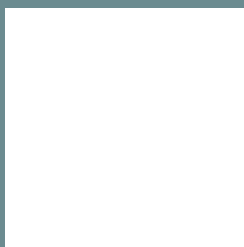
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3301, 23.6047, 29.8702

Background



This preview shows how black text looks on a background with the XYZ color 20.3301, 23.6047, 29.8702.



This preview shows how white text looks on a background with the XYZ color 20.3301, 23.6047,

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

20.3301, 23.6047, 29.8702

Protanopia

22.6578, 23.3825, 28.1300

Deuteranopia

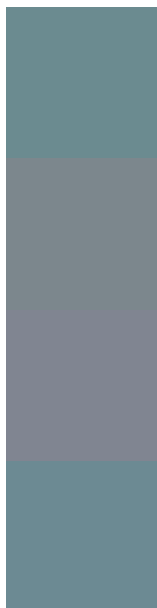
23.8538, 23.3513, 30.4441



Tritanopia

20.6976, 23.5350, 31.8856

Trichromacy



Original Color

20.3301, 23.6047, 29.8702

Protanomaly

21.7839, 23.5361, 28.5941

Deuteranomaly

22.4005, 23.4086, 30.1257

Tritanomaly

20.5393, 23.4717, 31.0517

Monochromacy



Original Color

20.3301, 23.6047, 29.8702

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.7867, 22.6619, 26.2003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3301, 23.6047, 29.8702 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(107, 139, 144)` looks like.

```
.text, #text, p{  
    color:rgb(107, 139, 144)  
}
```

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(107, 139, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 139, 144) }
```

Border

The CSS property to change the border of an element to XYZ 20.3301, 23.6047, 29.8702 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(107, 139, 144) }
```


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

```
.border{ border-color:rgb(107, 139, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 139, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 139, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 139, 144);  
box-shadow:4px 4px 4px 4px rgb(107, 139,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3301, 23.6047, 29.8702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 139, 144) }
```

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

```
.background{ background-color: rgb(107,  
139, 144) }
```

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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